19980506.qrp v01_n083.qrs.980506

Date: Wed, 6 May 1998 19:03:17 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1083

QRP-L Digest 1083

Topics covered in this issue include:

    by Ed Tanton <n4xy@att.net>
20) [10248] Re: Starting Time for FDIM Symposium
    by kt3a@juno.com (Cameron C.R. Bailey)
21) [10249] THE BANDS
    by "Wilford D. Lindsey" <70511.3041@compuserve.com>
22) [10250] Re: Ten Tec Century 21 Query
    by Ed <edn4pk@VoyagerOnline.net>
23) [10251] RE: Unofficial Ten Tec Webpage
    by Mike - W0TMW <crucis@sky.net>
24) [10252] Century 21
    by ac5ez@webtv.net (Larry B)
25) [10253] Solar Activity
    by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
26) [10254] Dinner wed.at Dayton
    by K4NK <K4NK@aol.com>
27) [10255] 38S Help
    by Ed <edn4pk@VoyagerOnline.net>
28) [10256] Re: THE BANDS
    by Shephed <Shephed@aol.com>
29) [10257] Non Controversial QRP-L Discussion Topics
    by "James R. Duffey" <ji3m@maxwell.com>
30) [10258] 30m is hoppin
    by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
31) [10259] Re: Century 21
    by Monte Stark <ku7y@dri.edu>
32) [10260] RE: Help from across the pond/specs
    by Jeff Grudin <grudin@pacific.vdbs.com>
33) [10261] Dayton Repeaters
    by Shephed <Shephed@aol.com>
34) [10262] Re: Dayton, Need a Ride from Airport
    by Monte Stark <ku7y@dri.edu>
35) [10263] Dayton update.
    by Shephed <Shephed@aol.com>
36) [10264] The band that was
    by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
37) [10265] Service Data needed
    by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
38) [10266] Low speed CW bandwidth.
    by "Vincent Ferme" <vferme@sprint.ca>
39) [10267] charging lead-acid batteries/lower power transceivers
    by "Douglas L Datwyler" <datwyler@aros.net>
40) [10268] Re: Cuba / Email filtering
    by KC5TJA <kc5tja@topaz.axisinternet.com>
41) [10269] Re: doughnuts....
    by w4bws@juno.com (Donald E Sanders)
42) [10270] Potentiometer info
    by Richard C Berrill Jr <rjrberri@xnet.com>
43) [10271] Re: Non Controversial QRP-L Discussion Topics

Date: Mon, 04 May 1998 14:11:10 -0600
From: alan dawkins <alk0frp@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [10229] Surface mount Oner
Message-ID: <354E20DE.A2071D1B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked in the yard both Sat and Sun but did find time after dark
Saturday nite to attempt
to build a Oner transmitter using SMT.Got the parts a couple off weeks
ago from Gateway Electronics in Denver. To save space NO circuit board.
I built this one DEAD BUG. Soldered all componants edge to edge , It
took 2 hours to get 6-8 componants soldered. Try retry etc. The VN10
output transistor will not be SMT and will use a reperf board to mount
and a place to either glue or mount the SMT parts. I will use a toroid
output filter but use SMT for the caps in the output filter.
SMT plus a VN10 and one torroid. the SMT part is about .25 X.25 in.
You may have worked my discrete Oner in the CQC Spring Qso Party. This
one will be the same except much smaller. I figure .25 x .5 inches with
output filter. About 1-1.5 watts out, crystal controlled. Price about
$2.00 less crystal, tx/rx switch and plugs and stuff. The SMT parts
were $.99 for 3 - 5 componants of each value.

The HC49 crystal is larger than the transmitter.
DO NOT TRY THIS UNLESS YOU ARE AT HOME, USING NONSHAG CARPET on the
floor and at least one GOOD EYE and a Magnifying glass.
Should finish this weekend when I get back from Alabama.
Hope to have it on the air soon attached to my not level playing 2 el
Yagi.

Al K0FRP

Date: Tue, 05 May 1998 18:06:26 -0600
From: Mike - W0TMW <crucis@sky.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>, CW Mail List
<cw@qth.net>
Subject: [10230] [Fwd: [TenTec] Ten Tec Pictorial Archive]
Message-ID: <354F9B72.9F8FE9C@sky.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="------------E22328B5E6C137257112032A"

This is a multi-part message in MIME format.
--------------E22328B5E6C137257112032A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--------------E22328B5E6C137257112032A
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Return-Path: <owner-tentec@contesting.com>
Received: from dayton.akorn.net (dayton.akorn.net [205.217.100.11])
     by sky.net (8.8.5/8.8.5) with ESMTP id RAA18545
     for <crucis@sky.net>; Tue, 5 May 1998 17:57:42 -0500 (CDT)
Received: from dayton.akorn.net (dayton.akorn.net [205.217.100.11])
     by dayton.akorn.net (8.8.5/8.8.5) with SMTP id SAA18448;
     Tue, 5 May 1998 18:56:34 -0400 (EDT)
Received: by dayton.akorn.net (TLB v0.10a (1.23 tibbs 1997/01/09 00:29:32)); Tue,
05 May 1998 18:56:21 -0400 (EDT)
Message-ID: <354F991E.D82AAD85@sky.net>
Date: Tue, 05 May 1998 17:56:30 -0600
From: Mike - W0TMW <crucis@sky.net>
Reply-To: crucis@sky.net
Organization: QCWA - ARCI

X-Mailer: Mozilla 4.05 [en] (Win95; U)
MIME-Version: 1.0
To: "tentec@contesting.com" <tentec@contesting.com>
Subject: [TenTec] Ten Tec Pictorial Archive
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Sender: owner-tentec@contesting.com
Precedence: bulk
X-Sponsor: W4AN, KM3T, N5KO & AD1C

Is there a webpage somewhere with pictorials of all the TenTec rigs from the Argonaut to the current Omni?? I'd like to get one of the older Ten Tecs, but I'd like to know the specs and features of each model.

Any info anyone?

Mike - W0TMW
--
==
Mike Watson, W0TMW   QCWA Mbr # 28651, Chap. 35
Raymore, MO USA   Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net   ARS# 352, QRP-L# 1489
==

--
FAQ on WWW: http://www.contesting.com/tentecfaq.htm
Submissions: tentec@contesting.com
Administrative requests: tentec-REQUEST@contesting.com
Problems: owner-tentec@contesting.com
Search: http://www.contesting.com/km9p/search.htm

--------------E22328B5E6C137257112032A--

Date: Tue, 5 May 1998 17:10:24 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "cw@qth.net" <cw@qth.net>, "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>,
"qrp@qth.net" <qrp@qth.net>, "qrpp@qth.net" <qrpp@qth.net>,
     "'Barry J Minsky'" <w2bj@juno.com>
Subject: [10231] RE: [CW] THE BANDS
Message-ID: <01BD7848.B25475E0@pps-pc10.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

It's after 5:00PM local here in Colorado. I'm at work and the rig is at =
home. No QRN at my location but I'm annoyed about not being able to =
hear any.

de KB0ROL, Brad

From: Barry J Minsky[SMTP:w2bj@juno.com]
Sent: Monday, May 04, 1998 4:54 PM
To: qrp-l@lehigh.edu; qrp@qth.net; qrpp@qth.net; cw@qth.net
Subject: [CW] THE BANDS

Wow! The bands are really dead. This solar flair is deadening. I am =
in
GA. I an hearing almost nothing but QRN on 30 and 40. How is it
elsewhere?
72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

Date: Tue, 5 May 1998 19:24:26 -0400 (EDT)
From: Jim Fielden <fielden@utkux.utcc.utk.edu>
To: Barry J Minsky <w2bj@juno.com>
Cc: qrp-l@lehigh.edu, qrp@qth.net, qrpp@qth.net, cw@qth.net
Subject: [10232] Re: [QRPp] THE BANDS
Message-ID: <Pine.GSO.3.96.980505191811.6322A-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

IT's Bad in East Tennessee, I've tried 10,12,15,17,20,30 and 40 meter and I hear maybe 3 stations on all of that. Don't know about SSB but the CW part of the bands in my area have been dead...I do have an In Attic Ant I thought maybe it was that, but I hear pretty good most of the time.

Hey this might be a good time to ask such a large crowd of OM, anyone want to start a 40 Meter CW Round Table? Keep it where anyone could check in I think if everyone sent about 13 wpm + or - a few, we could start it somewhere in the clear, 7.063 or something like that some out of the way spot....

What do you think?

72,73,
Jim -- KU4QW

On Mon, 4 May 1998, Barry J Minsky wrote:

> Wow! The bands are really dead. This solar flair is deadening. I am in
> GA. I an hearing almost nothing but QRN on 30 and 40. How is it
> elsewhere?
> 72/73,
> Barry J. Minsky, W2BJ
> ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
> Knightlites, Adventure Radio Society #359,
> Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
> Club #3723
> Amateur Radio Missionary Service
>
> _____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com
> Or call Juno at (800) 654-JUNO [654-5866]
>
> ---
> Submissions qrpp@qth.net
>

Date: Tue, 05 May 1998 18:34:12 -0500
From: Frank Kienast <fgk@iquest.net>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10233] Re: Help with specs (not essentially QRP)
Message-ID: <354FA1F3.497B@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff,

I have seen quite a bit of discussion of double vs. triple conversion on the scanner lists and web pages. What it comes down to (as I understand it) is this - image rejection. Say you are listening on 7030 with a single-conversion 455kHz IF receiver. The local oscillator is at 7030 - 455 = 6575. Conversion products will include 6575 + 455 = 7030 (the desired frequency) and 6576 - 455 = 6120. So, depending on the Q of the antenna input circuit, you may hear a station on 6120 while trying to listen to 7030. Now suppose the radio uses double conversion, with IF frequencies of 40 MHz and 455 kHz. The LO is at 7030 + 40000 = 47030, and conversion products 7030 and 54060. Now, no matter how bad the Q of the antenna input circuit is, you are not likely to hear a strong signal at 54060 since it is so far away.

The same principle can be applied to more conversion stages. Ultimately, the last conversion IF has to be something relatively low (like 455 kHz) in order to get reasonable selectivity. That's why you can't just have single conversion using say a 40 MHz IF to get rid of images.

Disadvantages to multiple conversion stages are greater complexity (and cost), and more "birdies" since there are now multiple oscillators to interfere with receiving.

Hope that helps. Others can probably give you more details.

Frank Kienast
KB9QEI

Jeff Grudin wrote:
>

> Could someone explain why a quad conversion Het is better than dual
> conversion is better than single conversion?
>
> Is there really a big difference?
>
> I am looking at some new rigs for my main station rig. I have narrowed
> the choice down to two (I don't want to start a war so will leave the
> choices out.) The one I like the best and has the best features for my
> needs is a dual conversion. The other that I like, is missing one
> feature that I feel would be useful to me but I could get by without, is
> a triple conversion.
>
> Am I better off choosing the triple conversion because it will be a
> better receiver? Or will the difference be unoticeable?
>
> Thanks.
> --
> 73 de Jeff AC6KW
> grudin@vdbs.com
> ____
> Private Practice : Companion Animals and Exotics
> Ocean Animal Clinic / Cat Clinic of Santa Cruz
> Santa Cruz, California
>
> Norcal QRP #1292   QRP-L #16   ARS #351
> AR Qrp #131 Bumble Bee #19
>
> QRP'ers do it with less energy (but lot's of enthusiasm)!
> ____

Date: Tue, 5 May 1998 17:35:45 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Subject: [10234] STORM STATUS MAY 05
Message-ID: <Pine.SOL.3.91.980505172644.20843B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
Due to several personal committments after work, I won't have time to
annotate todays Solar/Geophysical report until later.

BUT A QUICK SUMMARY ...

Current solar flux is 133 (not bad), A-index 35 (not good ... that is

still legally a MINOR STORM level).

Yesterdays A-index hit 96, a MAJOR STORM value, and only 4 points away from a SEVERE GEOMAGNETIC STORM. Short term A-Index hit 317, or clearly SEVERE/blackout conditions for a couple of hours.

FORECAST ... geomagnetic field tomorrow will be cooling down, bouncing between minor storm and active levels, and by friday slipping into the "unsettled" class (typical conditions). Today's A-index is 35, or in the Minor Storm league. But conditions will yozzle up and down as things settle down from the lower frequencies upward.

THE BAD NEWS ... is the area on the sun that caused Saturday's X-class flare is building up again, with a 75% chance of an M-class flare over the next three days. This could shower the earth in 2-3 days afterwards with more geomagnetic storming. But thursday-friday could be good DX days as the geomagnetic storming settles down with that 130-140 solar flux peeking through. And if no major flare tomorrow or thursday, it could be a VERY GOOD WEEKEND on the bands (for those of us not at Dayton, like me).

Details at 11

Paul NA5N

Date: Tue, 05 May 1998 18:51:39 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [10235] Re: Level Playing Ground - A Modest Proposal??
Message-ID: <3.0.1.32.19980505185139.00693fd0@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>A dipole hung at 140 feet will still outperform mine at 35 feet.
>We need a maximum height listed for the antennas.

Or --   any antenna up over 50 ft must be fed with RG-174 coax or RS speaker wire zip cord...8^)

72/73 -- Chuck, W5USJ, EM22cv
Rains County, Eagle Capitol of Texas
ARCI # 5422, QRP-L # 1306, FISTS # 3984

Date: Tue, 5 May 1998 16:47:51 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [10236] E-mail stalkers...a major no no.
Message-ID: <Pine.LNX.3.96.980505164305.12803G-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Congradulations folks... you just ran someone off the list. Not only is
he depressed with what's going on in this list, we also have someone
STALKING him via e-mail. Congradulations. I hope you are proud of your
achievements.

On a vaguely more positive note...

At this time, I fear that I too will take my leave of this mailing list
for a duration of two weeks, due to projects here at work and home. Too
much work and no play. Will I ever have the time? :)

I will respond via private e-mail however. And if anyone tries to stalk
me via e-mail, be aware that it's against federal law to do so, and I
WILL turn you in upon receiving the first such message. You've been
warned!! <evil grin> >:-)

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | http://www.dolphin.openprojects.net

---------- Forwarded message ----------
Return-Path: <RangerSF5@aol.com>
Received: from imo30.mx.aol.com (imo30.mx.aol.com [198.81.17.74])
     by topaz.axisinternet.com (8.8.5/8.8.5) with ESMTP id QAA20307
     for <kc5tja@topaz.axisinternet.com>; Tue, 5 May 1998 16:34:30 -0700
Received: from RangerSF5@aol.com
     by imo30.mx.aol.com (IMOv14.1) id LWVRa02448
     for <kc5tja@topaz.axisinternet.com>; Tue, 5 May 1998 19:40:01 -0400 (EDT)
From: RangerSF5 <RangerSF5@aol.com>
Message-ID: <1625afde.354fa353@aol.com>
Date: Tue, 5 May 1998 19:40:01 EDT
To: kc5tja@topaz.axisinternet.com
Mime-Version: 1.0
Subject: Re: From Bob WA2HOQ PLEASE READ
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
X-Mailer: AOL 3.0 16-bit for Windows sub 41

In a message dated 98-05-05 19:18:12 EDT, you write:

<< Subj: RE:From Bob WA2HOQ PLEASE READ
 Date: 98-05-05 19:18:12 EDT
 From: kc5tja@topaz.axisinternet.com (KC5TJA)
 To: RangerSF5@aol.com (RangerSF5)
  >>
Thanks for responding
Well,I don't have the best writing skills but that didn't seem to matter when everyone wanted the RS items on sale and I,at that time had RS connections.
I blocked the other person and now he's mailing me from a different address.
Well if thats the way people feel about me then i'll post no more.
They lose on the RS sales
Please pass on to the higher ups on this reflector that I meant no harm and I thought I was doing something good by defending what Paul and the others said.
Thanks for the support
Bob
WA2HOQ

Date: Tue, 5 May 1998 20:05:48 EDT
From: Wa2ocg <Wa2ocg@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10237] Ten Tec Century 21 Query
Message-ID: <875fd29.354fa95e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Recently purchased one of these rigs due to nostalgia and desire for something to use for mini-DXpeditions.
Question: The output on all bands but 40M is 50W which is within specs. 40M yields only 20W (enough for QRP but not for QRM). Any suggestions as to what may be causing the problem??
Thanks.

Michael
WA2OCG

Date: Tue, 05 May 1998 16:10:51 -0700
From: W7LS <w7ls@blarg.net>
To: alk0frp@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [10238] Re: Surface mount Oner
Message-ID: <354F9C7B.7A43@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Way to go, Alan! Good job. Now, how about making up kits for us all to
buy from you? :-)
     de Jim, W7LS

alan dawkins wrote:
>
> Worked in the yard both Sat and Sun but did find time after dark
> Saturday nite to attempt
> to build a Oner transmitter using SMT.Got the parts a couple off weeks
> ago from Gateway Electronics in Denver. To save space NO circuit board.
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> output transistor will not be SMT and will use a reperf board to mount
> and a place to either glue or mount the SMT parts. I will use a toroid
> output filter but use SMT for the caps in the output filter.
> SMT plus a VN10 and one torroid. the SMT part is about .25 X.25 in.
> You may have worked my discrete Oner in the CQC Spring Qso Party. This
> one will be the same except much smaller. I figure .25 x .5 inches with
> output filter. About 1-1.5 watts out, crystal controlled. Price about
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> were $.99 for 3 - 5 componants of each value.
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> DO NOT TRY THIS UNLESS YOU ARE AT HOME, USING NONSHAG CARPET on the
> floor and at least one GOOD EYE and a Magnifying glass.
> Should finish this weekend when I get back from Alabama.
> Hope to have it on the air soon attached to my not level playing 2 el
> Yagi.
>
> Al K0FRP

Date: Wed, 06 May 1998 00:22:08 -0400
From: Bill Meara <wmeara@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [10239] THE BANDS

Message-ID: <199805060023.UAA23140@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Conditions Tuesday night seem much improved over Monday. At 2221Z 5 May I worked California from Virginia with 4 Watts to a dipole on 20 CW. I could hear sigs from EA and HC land. I also heard activity on 30 Meters this evening. Last night both bands were dead at this QTH. Damn Protons! (Or was it the Photons?)
73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com G-QRP #7965
http://www.mindspring.com/~johnmb/billm.htm

Date: Tue, 05 May 1998 17:24:37 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: kc5tja@topaz.axisinternet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10240] Re: Cuba / Email filtering
Message-ID: <354FADC5.3DFCFDA1@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

KC5TJA wrote:
>
> Please terminate this thread, or make it private e-mail.

Netscape has a pretty sophisticated email filter. For example, I have mine set to trash anything from hotmail.com, except for a couple of addresses of guys on this list. I've recently added a couple of addresses of people who seem to me to be basically looking for trouble.
Now they simply DO NOT EXIST for me. It's a lot less drastic than unsubscribing from
the list.

Vic, K2VCO

Date: Tue, 5 May 1998 17:31:35 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: Jim Fielden <fielden@utkux.utcc.utk.edu>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10241] Re: [QRPp] THE BANDS
Message-ID: <Pine.BSF.3.96.980505172914.7338A-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 5 May 1998, Jim Fielden wrote:

> IT's Bad in East Tennessee, I've tried 10,12,15,17,20,30 and 40 meter and
> I hear maybe 3 stations on all of that. Don't know about SSB but the CW

    < < snippity do-dah > >

> What do you think?
>
> 72,73,
> Jim -- KU4QW
>

Time to fire up that Johnson 500 and get on 75 AM! ;-} ;-} ;-}

73,
Bob - W3CD

Date: Wed, 6 May 1998 00:38:12 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: alk0frp@earthlink.net, qrp-l@Lehigh.EDU, discussion@lists.twc-inc.com
Subject: [10242] GREAT OPPORTUNITY: SMT "dead-bug" designs...
Message-ID: <19980506003810.AAA8001@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

SURFACE MOUNT TECHNOLOGY... "DEAD-BUG" STYLE?

GREAT ONE AL! -Would love to see SMT "dead-bug" designs taken to
serious levels. What a concept... taking 3-D imaging to optimize
compactness & performance. I think you've got a genuine evolutionary
jump here... QRP or QRO! DESIGNERS TAKE NOTE!! 72 -S-

,,

At 02:11 PM 5/4/98 -0600, you wrote:
>Worked in the yard both Sat and Sun but did find time after dark
>Saturday nite to attempt
>to build a Oner transmitter using SMT.Got the parts a couple off weeks
>ago from Gateway Electronics in Denver. To save space NO circuit board.
>I built this one DEAD BUG. Soldered all componants edge to edge , It
>took 2 hours to get 6-8 componants soldered. Try retry etc. The VN10
>output transistor will not be SMT and will use a reperf board to mount
>and a place to either glue or mount the SMT parts. I will use a toroid
>output filter but use SMT for the caps in the output filter.
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>You may have worked my discrete Oner in the CQC Spring Qso Party. This
>one will be the same except much smaller. I figure .25 x .5 inches with
>output filter. About 1-1.5 watts out, crystal controlled. Price about
>$2.00 less crystal, tx/rx switch and plugs and stuff. The SMT parts
>were $.99 for 3 - 5 componants of each value.
>The HC49 crystal is larger than the transmitter.
>DO NOT TRY THIS UNLESS YOU ARE AT HOME, USING NONSHAG CARPET on the
>floor and at least one GOOD EYE and a Magnifying glass.
>Should finish this weekend when I get back from Alabama.
>Hope to have it on the air soon attached to my not level playing 2 el
>Yagi.
>
>Al K0FRP
>
>
>
>
Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
http://www.danbury.org/org/cara/

Date: Tue, 5 May 1998 20:39:54 -0400
From: "Tim Cook" <timcook@erinet.com>
To: <Wa2ocg@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [10243] Re: Ten Tec Century 21 Query
Message-ID: <019101bd7887$7de1a5a0$24785acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael,
My experience with the Century 21 was that if you continue to run at those power levels you will soon learn how to change the finals. I usually set the power to max of about 25 watts. I have replaced fial in more than one, (not all mine) :)
It's a fun rig... Not sure about your specific problem, can't remember if there is a separate adjustment for each band. It might be a component in the lowpass filter section.
good luck
Tim
NZ8J
-----Original Message-----
From: Wa2ocg <Wa2ocg@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, May 05, 1998 8:25 PM
Subject: Ten Tec Century 21 Query

>Recently purchased one of these rigs due to nostalgia and desire for something
>to use for mini-DXpeditions.
>Question: The output on all bands but 40M is 50W which is within specs. 40M
>yields only 20W (enough for QRP but not for QRM). Any suggestions as to what
>may be causing the problem??
>Thanks.
>
>Michael
>WA2OCG
>
>

Date: Tue, 05 May 1998 20:55:40 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrpl <qrp-l@lehigh.edu>
Subject: [10244] Elmer101: NE612 simulation questions
Message-ID: <354FB50C.390E@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here are some very detialed questions regarding the NE612 mixer chip and the spice analysis presented on the Elmer101 web page (you did read it,

right??) Let's see if we can get some answers.

This integrated circuit sure makes mixer design a whole lot easier than the 'ol diode mixer and transformer setup. Let's make sure we understand how it works as it has several applications just in the SW-40+.

This might also be a good time to discuss the pluses and minuses of both design approaches (active vs. passive mixers).

The forwarded email follows.

>Mike,
>I am not anticipating blow-by-blow answers. But I thought you might be
>interested in some of the confusing aspects of the circuit analysis from
>a neophyte's point of view...I sure have spend a few hours struggling
>with these ideas...the PSPICE simulation is a great learning device!!
>
>The SE 612 chip plays a very significant role in the SW40+. An
>understanding of how this chip functions is very important. I have a
>series of questions(based upon the PSPICE simulation and text)
>
>1. What is the significance of introducing the concepts of voltage
>source and current source in the analysis of this circuitry? I am more
>familiar with the concept of a voltage source...at least I think I know
>the "characteristics" of a voltage source.
>
>2. If V4 was based upon a 3MHZ voltage source, would the peak current
>through Q6 and minimal current flow through Q4 coincide with the timing
>of the peak current flow through Q2? I notice that the peak current
>flow through Q6 and minimal current flow through Q4 slowly change their
>relative positions over time with regard to the peak current flow of Q2.
>
>3. "The mixer still performs its task if Q3, Q4, Q5 and Q6 don't act as
>switches. Output will be smaller, but all we really require of these
>four transistors is that they direct more current during their 125 ns
>"window" and less during the alternative 125 ns "window." (Quote from
>simulation) When I view the current traces for Q4 and Q6, is the
>minimum referred to in the quote from the analysis, when these traces
>"cross?" Likewise, the maximum referred to in the quote occurs when
>either Q4 or Q6 are at their respective peak values? I assume that it
>is no accident that the pattern of current flow for combined would
>reflect such a (summing strategy).
>
>4. The functioning of both Q4 and Q5 in their respective roles in the
>process is confusing when I consider the relationship of Q3/Q5 and Q4/Q6
>to each of "their" respective 3MHZ transistors. Even though Q2 is
>permitting maximum current flow through Q6, do I assume that at the same
>instant Q1 (minimal current--180 degrees out of phase with Q2) is

>permitting "some" current flow through Q4? (although the analysis
>reveals very small amounts of current flow in Q4).
>
>5. What is happening during the approximately .5 us, centered on 1.0 us
>with regard to current flow in Q4/Q6? It appears much different than
>the periods of time between 1.0 us.
>
>6. Is the presence of 1 MHZ detected through the slowly changing
>amplitude of the current flows in of Q4/Q6?   Likewise the slowly
>changing amplitudes (?) of the combined IC?
>
>7. The schematic reveals the bandpass filter is connected to each of
>the outputs of the mixer.   Maybe this is to come, but what are the
>advantages of using both of the outputs from this mixer? Are these
>advantages part of the rationale for the use of a doubly balanced mixer?
>

--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Tue, 05 May 1998 17:58:45 -0700
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: rbritt@visi.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10245] Re: Octupus (Curve Tracer)
Message-ID: <354FB5C4.1786D6B5@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard,

    Why not place the file on a web page and have everyone get it there? You
don't need to send it to everybody. You're working too hard...take a break!
--
Chuck Snyder 73s de KD7BBF
http://www.nextdim.com/users/csnyder/index.htm
QRP-L #1462
Spokane, WA

Richard Brittingham wrote:

> I took pics of the pages from the Navy manual and edited them today. I
> forwarded them to Mike who is going to post them. Please excuse the "not
> real professional" look. But the diagrams are complete along with the
> "what you will see" diagrams. Any questions please ask me. If Mike is real
> busy and it does not get posted (I dont know the address - he does and
> will let everyone know) I will forward it to everyone who requested it. It
> will take a while because I have to send approx 6 files to each person one
> at a time. With 60 or so requests. If I can forward them to the entire
> group I will be glad to but not without permission as this is not a
> binaries group. Thanks.
>
> 72/73
>
> Richard W4MCD
>
> _____________________________
>
> Amateur Radio Operator as WD4AEF for 22 years
> Now Vanity Call is W4MCD

Date: Tue, 5 May 1998 21:10:47 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-l@Lehigh.EDU>
Subject: [10246] RE: The bands.. SLOWLY COMING BACK
Message-ID: <01bd7883$6b6b87a0$LocalHost@luis>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks !
The 40, 30 and 20 meter bands here are making a slow come back..
On 15 I had a QSO with an OK earlier in the day... weak signals, but two way
!
I also heard a local working another OK... but no other european signals.
USA on 15 was simply not there at anytime during the whole day !
I will try 40 QRP tonite after 11 pm EDST if the QRN level is not too bad...

72 and see you there (around 7040 kHz, running 4 watts)

Arnie Coro CO2KK

Date: Tue, 05 May 1998 21:10:53 -0400
From: Ed Tanton <n4xy@att.net>
To: kc5tja@topaz.axisinternet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [10247] RE: Cuba, et. al.
Message-ID: <3.0.5.32.19980505211053.00b963f0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Surely there is a moderator for QRP-L with the responsibility to... well...
moderate. If not, perhaps we can sort of self-moderate in this event, and
ALL AGREE to simply MOVE ON.

No one ever benefits from bickering, public or private, and no one ever
feels better afterwards.

As Radar O'Reilly used to say: "Over and Out!"

73

____
Ed Tanton   N4XY   EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
INTERESTS: QRP   BoatAnchors   Test Equipment   Photography
CW: 99.9%   Mercury Paddle # 0214   QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Tue, 5 May 1998 19:50:52 -0400
From: kt3a@juno.com (Cameron C.R. Bailey)
To: cla@mcg.net
Cc: qrp-l@lehigh.edu
Subject: [10248] Re: Starting Time for FDIM Symposium
Message-ID: <19980505.211809.3334.1.kt3a@juno.com>

Cla,

If you registered via mail, you will have to stop by and get a nametag
and the proceedings. There will be a line, but hopefully, it will run
smooth. Having the confirmation number should help with the tags.
I may have them out in call sign order, but not everyone has a call.
Remember there will be about 150 folks trying to all get in the door
at once. That is why we allow 45 minutes for that process.

I plan on a pad of paper for notes and such. Bring a few pens or
pencils.
I have plastic bags for those attending to put in your proceedings and 6
pak boards.

Cameron C.R. Bailey
Mount Wolf, Pennsylvania
kt3a@juno.com

On Tue, 5 May 1998 08:23:49 -0500 applitech@mcg.net (Claton Cadmus)
writes:
>Cam, I have a question that maybe you should answer to the QRP-L.
>Actually
>two questions. I assume that if you registered via mail there is no
>reason to
>show up at 7:15, simply be there by 8:00? What materials, ie pens
>paper etc,
>do you recommend symposium participants bring with them?
>
>Thanks and 73 de Cla KA0GKC
>
>
>

Date: Tue, 5 May 1998 21:41:08 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:w2bj@juno.com" <w2bj@juno.com>, "+Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, //QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [10249] THE BANDS
Message-ID: <199805052144_MC2-3C10-502E@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Barry:

Been hearing and working the occasional DX on 30 Metres. Setup = Omni VI (improved) at 4 watts out to the GAP Titan DX. Tuner = Emtech ZM-2. Probably lucky but the band--though less crowded than usual--still has plenty to pick from. Good luck :-).

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Tue, 05 May 1998 21:50:59 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: Wa2ocg@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10250] Re: Ten Tec Century 21 Query
Message-ID: <354FC203.A4BC276C@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

20-35 watts is normal output on a C21. I have had 2 of them and the outputs were just about the same. 50 watts seems a little on the high side to me with 70 watts in.....my thots..
Ed N4PK

Date: Tue, 05 May 1998 20:53:13 -0600
From: Mike - W0TMW <crucis@sky.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, CW Mail List <cw@qth.net>, "tentec@contesting.com" <tentec@contesting.com>
Subject: [10251] RE: Unofficial Ten Tec Webpage
Message-ID: <354FC289.8158F0E6@sky.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who provided this URL: http://pcd2.state.va.us/tentec/
it seems to have all I was looking for!

Thanks,

Mike - W0TMW
--
==
Mike Watson, W0TMW   QCWA Mbr # 28651, Chap. 35
Raymore, MO USA   Grid: EM28st ARCI# 9647
http://www.sky.net/~crucis
E-mail: crucis@sky.net   ARS# 352, QRP-L# 1489
==

Date: Tue, 5 May 1998 20:57:43 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [10252] Century 21
Message-ID: <199805060157.SAA07823@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

25 - 35 Watts is about all I can get out of my Ten Tec C21 also. 75w
does sound a little high.
Larry Ac5ez

Date: Wed, 06 May 1998 01:52:08 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [10253] Solar Activity
Message-ID: <3.0.16.19980506015025.2e5f0846@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Listen to the bands. Read Paul's 2 part article on solar phenomenon.
Read his QRP-L posts. Now listen to the bands again. Read the
articles. Now QRP-L. See how it works?

Thanks for the awsome demonstration, Paul. (How did he do that?)

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Tue, 5 May 1998 21:58:25 EDT
From: K4NK <K4NK@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10254] Dinner wed.at Dayton
Message-ID: <39f6310c.354fc3c2@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

  I will be arriving wed. afternoon in dayton, staying at the Best Western.
Any others coming in wed . ,we can get togeather for dinner wed. night ? . Is
there a 2 meter freq. that we can gather on around the hotels ?.
                                       See you there...Les K4NK

Date: Tue, 05 May 1998 22:04:43 -0400
From: Ed <edn4pk@VoyagerOnline.net>
To: QRP <qrp-l@Lehigh.EDU>
Subject: [10255] 38S Help
Message-ID: <354FC53B.4DD6335B@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Found an unbuilt 38s ..so just had to get it and put it
together...Well as my luck would have it, or as the old saying goes
"no workie Joe"..
Brief synopsis:
1. did the 5 watt power mod

2. did the pin diode mod
3. tick keyer installed
4. c4 is 10pf
5. c25 is 330 pf
6. changed c15 to .47uf
7. used 10pf tant at the 8 volt regulator
8. DID wire the headfone jack backwards(corrected)
9. can "barely" hear the side tone
10.NO receiver "hiss" none
11.No apparent power out
12.DID use the trouble shooting guide for DC voltages and they all
seem right

AS I said I'm stumped...Any good input ??? Faulty IC ?? Board was
cleaned with alcohol (nono not my Jack Daniels !!!) Everythin looks
right...Where has Murphy struck ?
Thanks 72/73....
Ed N4PK
qrp-l #1307

Date: Tue, 5 May 1998 22:04:36 EDT
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10256] Re: THE BANDS
Message-ID: <63ca6bc6.354fc535@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

The bands here are starting to roller coaster a bit, but the closest thing to
DX for me is 50 miles. Woohoo!

Dan

Date: Tue, 5 May 1998 20:07:10 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-l@Lehigh.EDU
Subject: [10257] Non Controversial QRP-L Discussion Topics
Message-ID: <v0300780eb1756de31c3f@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Lets get back on track with some discussion subjects we can all agree upon;

1) Verticals need radials

2) AGC is worthless

3) All real weak signal ops use cans

4) Quads are not better than Yagis at low heights

4) You don't need a high sensitivity-low noise receiver at HF

5) A single conversion receiver is better than double or triple conversion ones

6) Half wave verticals need a good ground

7) Ladder line can be as lossy or more lossy than Coax on some antennas

8) A direct conversion reciever is not a superhetrodyne

9) The narrower the CW filter the better

10) Turkey's can't smile, although it is well documented that Irish Setters can.

11) Armstrong (inventor of FM, superhetrodyne, and superregeneration) was one of the Twentieth Century's two greatest minds. Ernie Kovacs is the other. Edward Abbey is the third.

12) You can roll your sopapillas in powdered sugar, but it is common knowledge that real NM QRP-lers only coat the inside.

Flat flip flies straight, tilted flip curves. Play catch! Invent games! Wham-O Manufacturing Company, Pasadena, California.

Don't look for trouble, trouble will find you. =8^)

Put the QRP back in QRP-L.

Taking my tongue out of my cheek so I can sign this - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

Date: Wed, 06 May 1998 02:08:55 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [10258] 30m is hoppin
Message-ID: <3.0.16.19980506020320.2dcf54e4@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At least here it is (5-6-98 0200ut). Busiest I've heard 30m
in a long time... wierd. Fire up your 38s' and give me a
call around 10.116!

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Tue, 5 May 1998 19:18:42 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Larry B <ac5ez@webtv.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10259] Re: Century 21
Message-ID: <Pine.SOL.3.96.980505191723.7548B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Guys,

I never had a C21 but I thought they were talking 75W INPUT
power, not OUTPUT power.

But I could be wrong!

And we don't have to worry about sending it out of the country!

:-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 05 May 1998 19:20:08 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [10260] RE: Help from across the pond/specs
Message-ID: <354FC8D7.5E7C@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I received lots of well what did you find out questions. So I am
posting a summary.

The values were correct. 3k3 was 3.3k and the 1n0 was 1.0 nf or .001mf

As for the conversions in a Rx, well it probably isn't as important as
the sales folks seem to think it is. Actually even the reps at the DX
Convention had a hard time explaining the importance of it except that
theirs had more so it must be better (or less so it didn't matter).
Refer to Frank's post for a detailed explanation.
--
73 de Jeff AC6KW
grudin@vdbs.com
____
Private Practice : Companion Animals and Exotics
Ocean Animal Clinic / Cat Clinic of Santa Cruz
Santa Cruz, California

Norcal QRP #1292   QRP-L #16   ARS #351
AR Qrp #131 Bumble Bee #19

QRP'ers do it with less energy (but lot's of enthusiasm)!
____

Date: Tue, 5 May 1998 22:22:57 EDT
From: Shephed <Shephed@aol.com>
To: qrp-l@lehigh.edu
Subject: [10261] Dayton Repeaters
Message-ID: <a866afd6.354fc982@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,
Here is a list of the Dayton area repeaters. Remember that DARA's 2 meter repeater on 146.940 is for talk in only.
Hope this helps you all out.
72, 73
Dan, N8VZU

Bellbrook
147.045 + Bellbrook ARC

Centerville
145.430 - K8DZ
224.560 - Centerville ARS

Dayton
145.190 - Fairfield ARA (Wide Area)
146.640 - Miami Valley FM Association
146.910 - Miami Valley FM Association
146.940 - Dayton Amateur Radio Association
147.105 + Ohio Bell
147.135 + Farout ARC
223.940 - Dayton Amateur Radio Association
442.100 + Dayton Amateur Radio Association

Fairborn
145.410 - Upper Valley ARC
442.375 + Upper Valley ARC

Kettering
146.985 - Bearcat RC
147.075 + Kettering Medical Center ARC
223.900 + Kettering Medical Center ARC
224.760 - Bearcat RC

Miamisburg
145.330 - Monsanto ARA
146.820 - MWA
147.195 + Monsanto ARA
147.360 + Miamisburg Wireless Association
442.300 + WB8YXD
444.700 + N8BYT

Springfield
145.310 - CLARA
145.450 - IndepndRA

146.730 - CLARA
224.000 - CLARA
224.260 - IndepndRA
443.300 + WB8ZCE

Trotwood
224.200 - N8GPU
224.720 - NW ARA

Vandalia
146.775 - W6CDR
442.750 + W6CDR
444.600 + WB8OOE
1292.08 - WB8OOE

West Carrollton
444.500 + West Carrollton ARG
444.850 + W8JUK

Date: Tue, 5 May 1998 19:25:37 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10262] Re: Dayton, Need a Ride from Airport
Message-ID: <Pine.SOL.3.96.980505192222.7583A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I will be getting into Dayton Airport on Wednesday at
1526 via TWA flight # 228 from St Louis.

I need a ride to DIS.

Will anyone be in the area at that time that could do
that?? :-)

Oh, and what's the weather like in Dayton? It's raining
here..... :-)

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 5 May 1998 22:35:56 EDT
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10263] Dayton update.
Message-ID: <601aa9df.354fcc91@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Ok here's the story.
WPAFB has agreed to setup a special high current magnetron to ensure that during Hamvention weekend all geomagnetic storms will be neutralized, thus providing near perfect DX conditions.

Next, the Dayton Weather Service has taken steps with the help of WPAFB and Alien technology to ensure that the weather for Friday, thru Sunday will be sunny with temps in the mid 70's.

The Dayton Police Department has hired extra police officers (1 per each Hams vehicle) to make sure no one gets their radios stolen.

A special deal with Yaesu has lowered the price of the new FT-847 to ....

"Honey, wake up. Honey, wake up. You fell asleep."

"What, I did". "Doooooohhhhh!"

Keep the faith kids, dreams are only a week away!

72, 73's
Dan, N8VZU
QRP-L #1404
FISTS# (still waiting on my number)
ARRl Member
All around good guy!

Date: Wed, 06 May 1998 02:40:26 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [10264] The band that was

Message-ID: <3.0.16.19980506023424.2e57ef64@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

And now 30m has turned to dust (0237ut). Got a few qso's in, though.
Fascinating...

Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Wed, 06 May 1998 02:40:29 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [10265] Service Data needed
Message-ID: <3.0.16.19980506023945.2dcf08bc@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Looking for service data (or anything, for that matter) on
the following units -

Clegg Mark 3

and/or

Midland 13-500

These are essentially the same radio - 2m, xtal controlled.
Needed for a lil elmering project in my neighborhood.
Thanks for tolerating this not-quite-qrp (10w) post.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Tue, 5 May 1987 22:58:26 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [10266] Low speed CW bandwidth.
Message-ID: <000901b1233f28447180b71205d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Some time ago when reading about coherent CW, the author of the text said
that the bandwidth used by a cw signal is proportional to the code speed. Is
this correct or I misunderstood what he was saying? If correct, could you
give me an idea of the BW when speeds of for example 10 and 20 wpm are used?

LowFer experimenters send automated cw so slow they do not use wpm but
dits and dahs per hour when referring to speed, to read code, software is
used
and the dits and dahs shown on a computer screen.

Thanks for the help.

73/72 de Vince, VE3VFN.

Date: Tue, 5 May 1998 21:08:34 -0600
From: "Douglas L Datwyler" <datwyler@aros.net>
To: <qrp-l@Lehigh.EDU>
Subject: [10267] charging lead-acid batteries/lower power transceivers
Message-ID: <01bd789c$4146eb40$3118adcf@datwyler>
MIME-Version: 1.0
Content-Type: multipart/alternative;
     boundary="----=_NextPart_000_000C_01BD7869.F6AC7B40"

This is a multi-part message in MIME format.

------=_NextPart_000_000C_01BD7869.F6AC7B40
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I have some Sealed lead acid batteries I need to charge and maintain. =
They are the Panasonic LCR6V10BP1. The data sheet is a bit confusing. Is =

there an easily purchased charging solution?

Also, what is an inexpensive lower power transceiver? Principally, it =
will be powered by the batteries.

TNX

------=_NextPart_000_000C_01BD7869.F6AC7B40
Content-Type: text/html;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>
<HEAD>

<META content=3Dtext/html;charset=3Diso-8859-1 =
http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT size=3D2>I have some Sealed lead acid batteries I need to =
charge and=20
maintain. They are the Panasonic LCR6V10BP1. The data sheet is a bit =
confusing.=20
Is there an easily purchased charging solution?</FONT></DIV>
<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT size=3D2>Also, what is an inexpensive lower power =
transceiver?=20
Principally, it will be powered by the batteries.</FONT></DIV>
<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT size=3D2>TNX</FONT></DIV></BODY></HTML>

------=_NextPart_000_000C_01BD7869.F6AC7B40--

Date: Tue, 5 May 1998 20:12:23 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10268] Re: Cuba / Email filtering
Message-ID: <Pine.LNX.3.96.980505200916.4614B-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 5 May 1998, Vic Rosenthal wrote:

> Netscape has a pretty sophisticated email filter. For example, I have
> mine set to trash anything from hotmail.com, except for a couple of
> addresses of guys on this list. I've recently added a couple of
> addresses of people who seem to me to be basically looking for trouble.
> Now they simply DO NOT EXIST for me. It's a lot less drastic than
> unsubscribing from the list.

(Un)fortunately, I do not use Netscape on our Unix servers. I just don't have the CPU time to waste on Netscape's massive resource requirements (not that NS is a "bad" program -- it's just too intensive for this particular server).

I use PINE, which supposedly has filters in it. However, I haven't seen the term used as other e-mailers do. One of these days, I'll get around to writing my own filter program.

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | http://www.dolphin.openprojects.net

Date: Tue, 5 May 1998 22:23:41 -0400
From: w4bws@juno.com (Donald E Sanders)
To: mmartin@netins.net
Cc: qrp-l@Lehigh.EDU
Subject: [10269] Re: doughnuts....
Message-ID: <19980505.224818.3566.0.w4bws@juno.com>

Actually, those of us who have to watch our diets prefer Bagels and Bialies.
Don W4BWS

Date: Tue, 05 May 1998 22:23:12 -0500
From: Richard C Berrill Jr <rjrberri@xnet.com>

To: Qrp Mailing List <QRP-L@lehigh.edu>
Subject: [10270] Potentiometer info
Message-ID: <354FD7A0.293E219E@xnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a 100k pot that I'm using for the vfo on my 38s.
The only problem I have is identifing which is the low and which is the high tab on it. I put a meter to it and I realize that one of the tabs is low in each position of the wiper. Which is the common reference for the low and high tab that is mentioned in the instruction.

Tnx for the help,
Rich KB9ONM

Date: Tue, 05 May 1998 22:33:13 -0500
From: Frank Kienast <fgk@iquest.net>
To: ji3m@maxwell.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10271] Re: Non Controversial QRP-L Discussion Topics
Message-ID: <354FD9F9.15CB@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got one that should not be controversial. What about how does one calculate the voltage at various points along an ordinary antenna (a dipole, for example), knowing the input power? I've had a couple of people warn me to insulate the ends of a dipole and make sure no one can touch them, even at QRP power levels. If I run the maximum QRP power (5 watts CW) into a piece of 50-ohm coax that is connected to a dipole, P = E^2/R, 5 = E^2/50, E is less than 20 volts RMS at the feedpoint. I know the voltage on a dipole varies with location, and is highest at the ends. But how high? Is it really dangerous? Someone previously warned me about high voltages at the end of a J-Pole at VHF frequencies. On 2 meters with my 5 watt HT, I was unable to get a neon bulb to light no matter where I held it along the J-pole. There must be some way to quantify what voltages to expect if the power and type of antenna is known, but I've never seen it (even in the ARRL Antenna Book). Anyone?

Frank Kienast
KB9QEI

James R. Duffey wrote:
>
> Lets get back on track with some discussion subjects we can all agree upon;
>
> 1) Verticals need radials
>
> 2) AGC is worthless
>
> 3) All real weak signal ops use cans
>
> 4) Quads are not better than Yagis at low heights

.....

Date: Wed, 06 May 1998 03:39:31 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [10272] QRPTTF /MM
Message-ID: <3.0.16.19980506032412.2e57cf56@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I got a bunch of comments on this.
Allow me to transpond, er, expound or something on this -

* I would not recommend operating while your bod is touching
water. What, you crazy?

* Any body of water, any size. A kiddy pool, cesspool, whatever.

* Distance rule? Ok, if you can skip a rock off of it, your close enough.
If your feet are getting wet, you're too close. If all you get is a
cloud of dust, you're not close enough.

* Bonuses for /MM. That's everything on the water - rig, antennas,
you, batteries, etc. No, not IN the water. You *are* crazy!

* Bonuses for contacts with Nand McRally stations or sumpin.

* Have a good time. 2 qso's deducted for every minute that you
do not have fun. Smile. Be happy.

Someone print this and take it to King Tuthill, or whatever his name

is. I hear he has the final say so on these matters.

I'm not confused, I always look this way... Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Tue, 05 May 1998 20:58:27 -0700
From: Monte Stark <ku7y@dri.edu>
To: d.nordquest@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10273] Re: Octopus (Curve Tracer)
Message-ID: <354FDFE3.98D1260D@dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A number of years ago I built a "HumDrum Tracker". This may well
be the same kind of thing!

Still have it around here someplace.
--
73, Ron, KU7Y

NRA Life------Ex W6JXO, DL4RF, N7CRV------SOWP #5545-M
QRP ARCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150--------DM09cg---------New Washoe City, NV

Date: Tue, 05 May 1998 23:01:53 -0700
From: MIKE A OSWALD <miketx@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [10274] [Fwd: Re: Non Controversial QRP-L Discussion Topics]
Message-ID: <354FFCA9.788@swbell.net>
MIME-Version: 1.0
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Return-Path: <owner-qrp-l@Lehigh.EDU>
Received: from mail-gw1adm.rcsntx.swbell.net (mail-gw1adm.rcsntx.swbell.net

[151.164.60.101])
     by mail1.rcsntx.swbell.net (8.8.5/8.8.5) with ESMTP id WAA10674;
     Tue, 5 May 1998 22:32:20 -0500 (CDT)
Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
     by mail-gw1adm.rcsntx.swbell.net (8.8.5/8.8.5) with ESMTP id WAA14929;
     Tue, 5 May 1998 22:32:17 -0500 (CDT)
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<32787-43680>; Tue, 5 May 1998 23:31:18 -0400
Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by fidoii.cc.Lehigh.EDU with
ESMTP id <13333-56994>; Tue, 5 May 1998 23:30:29 -0400
Received: from iquest3.iquest.net (iquest3.iquest.net [209.43.20.203])
     by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with SMTP id XAA31958
     for <qrp-l@Lehigh.EDU>; Tue, 5 May 1998 23:30:17 -0400
Received: (qmail 29718 invoked from network); 6 May 1998 03:30:11 -0000
Received: from laf-0000-6.iquest.net (HELO fgl.oqiest/met) (204.95.254.166)
  by iquest3.iquest.net with SMTP; 6 May 1998 03:30:11 -0000
Message-Id: <354FD9F9.15CB@iquest.net>
Date: Tue, 05 May 1998 22:33:13 -0500
Reply-To: fgk@iquest.net
Sender: owner-qrp-l@Lehigh.EDU
Precedence: bulk
From: Frank Kienast <fgk@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: Re: Non Controversial QRP-L Discussion Topics
References: <v0300780eb1756de31c3f@[192.31.66.158]>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-To: ji3m@maxwell.com
X-Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
X-Mailer: Mozilla 3.0 (Win95; I)
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

I've got one that should not be controversial. What about how does one calculate the voltage at various points along an ordinary antenna (a dipole, for example), knowing the input power? I've had a couple of people warn me to insulate the ends of a dipole and make sure no one can touch them, even at QRP power levels. If I run the maximum QRP power (5 watts CW) into a piece of 50-ohm coax that is connected to a dipole, P = E^2/R, 5 = E^2/50, E is less than 20 volts RMS at the feedpoint. I know the voltage on a dipole varies with location, and is highest at the ends. But how high? Is it really dangerous? Someone previously warned me about high voltages at the end of a J-Pole at VHF frequencies. On 2 meters with my 5 watt HT, I was unable to get a neon bulb to light no matter where I held it along the J-pole. There must be some way to quantify what voltages to expect if the power and type of antenna is known, but I've never seen it (even in the ARRL Antenna Book). Anyone?

Frank Kienast
KB9QEI

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> Lets get back on track with some discussion subjects we can all agree upon;
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> 1) Verticals need radials
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> 3) All real weak signal ops use cans
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> 4) Quads are not better than Yagis at low heights

.....

Date: Wed, 06 May 1998 00:11:17 -0400
From: Dan Puckett <dpuckett@erinet.com>
To: qrp-l@Lehigh.EDU
Subject: [10275] Re: Dayton
Message-ID: <354FE2E5.5B3DC6F4@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hendricks, Doug wrote:

> Annnnnnnnnnnnnnnnnnnnnnd Now. What is the Dayton weather report? Dan
> Pucket, give us a daily report from now until Weds. ok? And maybe starting
> Monday you can give an extended forcast? Seriously, I would like this as I
> want to know what to pack.
>
> 72, Doug, KI6DS

Ok.

Today was great. Sun was out, but not too hot. Beats last week all to
pieces. Rained almost every day. We're gettin' better.

Dan WD8AAU

Date: Tue, 05 May 1998 21:20:24 -0700
From: Bill Todd <bill@willapabay.org>
To: "Fred Ringwald" <fred@innocent.com>
Cc: qrp-l@Lehigh.EDU
Subject: [10276] Re: Contesting/beams/dipoles (last gasp!)
Message-ID: <1.5.4.32.19980506042024.0070cec8@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:45 PM 5/5/98 -0500, you wrote:
>Let's do it!
>
>73s,
>
>Fred Ringwald, AB0AE
>fred@innocent.com

Hi Fred -

We at the NorthWest QRP Club do not have a Contest Chairman right now, as
our former person was "promoted" to Technical Editor (hi). So, I will have
to talk it around with some of the other Club Members...but the idea has
merit.
Perhaps the next NW QRP CLub Contest will fearure such:
a. No Pre-Assembled antennas allowed
b. 5 watts max
c. 200 ft max of wire
d. 100 ft of rope or twine
with one hour to put it all up and get on the air. I think it is a great idea.

Do you have any other suggestions as to how we might set up the contest?

Thanks - Bill, N7MFB
http://www.willapabay.com/~bill
ICQ me at #8926298

Date: Wed, 06 May 1998 00:26:02 -0400
From: Ed Tanton <n4xy@att.net>
To: rjrberri@xnet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [10277] Re: Potentiometer info
Message-ID: <3.0.5.32.19980506002602.00b62760@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Rich... the idea is that when you turn the pot in a certain direction, the resistance-and hence the frequency-changes. What you need to know, is whether the frequency increases with higher resistance or with lower resistance. Then, with the pot oriented the way it will be mounted on the rig, see which pot terminal you need to use (in conjunction with the wiper terminal) when turning clockwise-that being an increase-direction for frequency as far as I am concerned.

The pot should be oriented with the shaft coming in to you, for the clockwise rotation I referred to, to be correct.

Suppose the frequency increases with more resistance... you orient the pot, clip one lead of the ohmmeter to the wiper terminal and the other on one of the two remaining terminals. Turn the shaft clockwise, and if the resistance increases, voila!!! If not, it's the other terminal.

73

_____
Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~~

Date: Tue, 05 May 1998 23:27:50 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: fgk@iquest.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10278] Re: Help with specs (not essentially QRP)
Message-ID: <354FE6C6.BC6A0AB@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Good response from Frank on image rejection.

One other very compelling reason for multiple conversions has to do with cascading filters to obtain better and better selectivity. It turns out that they work better with fewer interactions and blow-by by using multiple conversions and putting a filter at each "if." Also improves AGC action plus a number of other really esoteric aspects of receiver performance.

It is no accident, nor is it marketing, that our current excellent receivers are all multiple conversion, multiple usually equalling four at a minimum. I am not counting QRP receivers which are a special case of seeking a workable balance between complexity, parts count and ease of construction, and performance good enough for the job.

Lots of info here in the Handbook and in QST articles.

--
72/73, George
Amateur Radio W5YR
QRP-L #1373 QRP ARCI #9583   FISTS #4930
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

>
> I have seen quite a bit of discussion of double vs. triple conversion on
> the scanner lists and web pages. What it comes down to (as I understand
> it) is this - image rejection.
>

Date: Wed, 06 May 1998 04:38:02 -0700
From: WA8GHZ /5 Jack <jdougher@wt.net>
To: qrp-l@Lehigh.EDU
Subject: [10279] YV5 / WA8GHZ / qrp report
Message-ID: <35504B9A.1AF0@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I surrender! Propogation/QRN/LatAm beacons 10; me 0
Back home late Tuesday night from YV5-land(Caracas, Venezuela).

Thanks to several who were listening, but combo of my bad anenna setup from hotel plus bad propogation resulted in 0 Qs from my new YV5 permit and location, BUT, I did manage to work a few, mostly on 18 meters, to

several Caribean stations.

I even tried for about 90 minutes in ARS sprint Monday night, with no luck, but I TRIED! (and had fun). And got to meet some SUPER fellows at Radio Club Veneuelano (RCV/YV5AJ), the "Newington" of Venezueala.

Hope to have better antenna setup and better propogation for next trip, and will post when plans are firm, maybe 3 to 5 weeks.

And it't real good to be home again!
--
==--- ---==
Jack / WA8GHZ /5 /M /YV5 /PA and on very rare occasion /3CA
-== -= ===-- ==- ---- ==-- =--=- -----   =-=- -=--   -   -

Date: Tue, 05 May 1998 23:44:08 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rjrberri@xnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10280] Re: Potentiometer info
Message-ID: <354FEA98.E27B6CCC@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich, hold the pot with the shaft facing you and the tabs at the bottom. The one on your right is the high tab and the one on the left is the low tab. The center one is the moving arm.

Connect your ohmeter between the low end and the moving arm and observe that with the shaft fully ccw, the resisitance is zero - the moving arm is contacting the low tab. With the shaft fully cw, max resistance will be read.

The high and low monikers probably came from the use of pots in receivers to control volume. The audio source went to the high end. The low end was grounded and the output to the next stage came from the center tab.

Genuine old-phardt info . . .

--
72/73, George
Amateur Radio W5YR
QRP-L #1373 QRP ARCI #9583   FISTS #4930

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Richard C Berrill Jr wrote:
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> the low and high tab that is mentioned in the instruction.
>
> Tnx for the help,
> Rich KB9ONM

Date: Tue, 5 May 1998 22:51:06 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Cc: GQRP-L List <gqrp-l@blacksheep.org>
Subject: [10281] SOLAR STORM UPDATE MAY 05 (long, but worth it)
Message-ID: <Pine.SOL.3.91.980505211651.1093B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, the subject is misleading since we're in a GEOMAGNETIC storm,
the AFTERMATH of the long-gone solar storm. And because I've discussed
the specifics of this event, I have neglected the "big picture" on all of
this from the email I've received, so will briefly correct that here:

THE SOLAR STORMS that started all of this was a big X-class flare last
thursday, and two more X-class flares Saturday. In very simplistic terms,
these were an explosion of solar mass on the sun's surface. At the
moment of the disturbance, high energy from X-rays down to HF were emitted
DURING the disturbance (which lasted about 8 minutes each on saturday).
This produced about 20 minutes of strong, bursty static ... the first
part of the SOLAR storm. This explosion threw mass (heavy electrons)
into the solar atmosphere, not unlike the mushroom cloud of an atomic
bomb. Many of these electrons get "trapped" in the sun's magnetic field
and begin to spiral along the magnetic field lines ... generating RF
energy from about 800MHz downward ... in this case to about 20 MHz. This
is called a TYPE III STORM you saw mentioned in the initial report. The
RF sweeps downward in frequency about 20MHz per second, so if you were in
a QSO, this TYPE III sweep would sound like a big burst of static at
regular intervals, almost like ignition noise.

As this "mushroom" cloud rises from the sun, it also must pass through

the sun's magnetic field lines. This mass of electrons and protons, traveling through a magnetic field produces electricity. These electric currents also produce radio energy, but over a very wide band of frequencies simulateously, producing wide band noise on earth. This is called CONTINUUM RADIATION, or a TYPE IV STORM, also reported on saturdays report. On earth, it is an elevation of noise over much of the HF spectrum.

The TYPE III storm lasts about 10-20 minutes following the solar disturbance, while the TYPE IV persists about an hour. Therefore, the actual SOLAR STORM is relatively short in duration, typically less than an hour of bursting static, Type III sweeps and elevated noise. And generally, such a disturbance will elevated the solar flux.

Now then ... the solar storm is over. But this "shock wave" of electrons and protons continues to travel away from the sun and will continue to travel into interplanetary space. If the trajectory is right, it can smack right into the earth, triggering a GEOMAGNETIC storm. Thus, not all big flares will neccessarily cause a geomagnetic storm.

THE GEOMAGNETIC STORMS we've experienced past few days is the result of this "shock wave" smacking into the Earth. How lucky can we get? The magnetic field surrounding the earth looks like a torpedo, with the blunt end (the head) facing the sun, and the tail extending away from the sun far past our moon. As the earth travels around the sun plowing through the solar wind, this blunt side of our magnetic field becomes the earths "bow shock" wave of sorts ... a definite boundry where our magnetic field begins. The earth sits inside our magnetic field like a cocoon, and it is quite fragile. About 2-3 days after saturday's X-flares, this shock wave of protons is first detected by the ACE satellite, and about 30 minutes later it smacked into the earths magnetic field just like a big gust of wind. This caused our magnetic field to wiggle and tremble like it was a sphere of Jello. (I got email from some DX stations wanting to know what Jello is. It is a gelatin desert, or akin to jelly or a stiff pudding). As our magnetic field trembled, it generated electric currents due to the "dynamo" effect. These electric currents generate gobs of radio emission in the form of wide-band, or continuum static ... making the noise levels on HF very high. Additionally, these electrons/protons travel along our magnetic field and fall inwards into our ionosphere at the polar regions, where the field is the weakest. Here the electrons tend to bunch up on the D-layer, making it very dense, and thus, difficult for radio signals to pass through to get to the E and F layers. The D-layer is often called the "absorption layer" because it absorbs much of the RF trying to get through it. Of course it CAN absorb all RF trying to get through it, shutting down all "skip" propagation. Certainly you've observed this effect the past two days :-) Other factors determine how the D-layer is charged, then depleted of these extra electrons, such that this absorption can tend to "come and go" during the geomagnetic storm. Of course keep in

mind, with a large solar disturbance, these electrons/protons keep getting pumped into the earth at the poles for many hours (some times for days), keeping this condition active for hours or days.

So while "legally" the maximum usable frequency (MUF) may indeed be quite high, HF signals are highly impeded trying to get through the D-layer. A MUF above 100MHz is not unusual. Now VHF frequencies can penetrate the D-layer relatively easy. This is why after a solar storm and during a geomagnetic storm, HF may be shut down, but on the other hand, you can pich-up very distant FM or TV stations, because those signals are skipping off the highly ionized E and F layer. The D-layer normally absorbs RF below about 30 MHz (and in fact, is what determines the lowest usable frequency, or LUF). Normally the LUF is about 2 MHz; in a geomagnetic storm, it can be 30 MHz. That would be a "black out" ... which many of you also experienced.

SUMMARY: A solar storm is of short duration, usually less than a hour surrounding the solar disturbance. A geomagnetic storm is a perturbation to our magnetic field that occurs 2-3 LATER ... and has a much longer duration. The duration, intensity, and whether or not it produces global effects are a function of how strong the solar disturbance was, the amount of ejected mass from the sun, trajectory that it strikes the earth, etc. Most of these factors are VERY DIFFICULT to predict and is why predictions for geomagnetic storms are like predicting the stock market.

Now to "dissect" todays Solar/Geophysical Report:
(Portions omitted)

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 125 ISSUED AT 2200Z ON 05 MAY 1998

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z
> TO 05/2100Z: SOLAR ACTIVITY HAS BEEN LOW.

> THIS REGION IS GROWING AND HAS BRIGHT PLAGE WITH FREQUENT
> FLUCTUATIONS.

Plage are the "globs" of slightly darker matter all over the solar surface. A brightening of plage in an area often precedes a disturbance. This correlation is not yet well understood.

> OBSERVERS ARE REPORTING GROWTH AND DEVELOPMENT OF
> PENUMBRA IN THE INTERMEDIATE SPOTS.

A close-up view of sun spots will sometimes show tiny filaments, like little fingers, sticking outward around the sun spots. One of the theories is these particular sun spots are the top of a magnetic "shaft."

Magnetic lines come out of the shaft (the spot) and re-enter the sun in the form of hundreds of small field lines. Kinda like a garden sprinkler, with a column of water shooting upward, but falls to the ground in an omnidirectional pattern of hundreds of little streams. The burning surface of the sun tends to bunch up between these hundreds of little field lines, cooling, and optically appear to be dark filaments.

Regardless of the mechanism, it IS indicative of a developing magnetic field around the sun spots, which can often jump over to another sunspot, and a bunch of magnetic fields, all criss-crossing start to develop. This "complexity" pattern often precedes a major disturbance.

> THE CURRENT MAGNETIC
> CONFIGURATION IS MORE COMPLEX TODAY (BETA-GAMMA) AND THE REGION IS
> BECOMING COMPACT.

This "complexity" means the magnetic fields are becoming bipolar, that is a north pole coming out of one spot, and a south pole as it re-enters another (Beta-Gamma group defines the N-S polarization is observable). The more compact the region gets, the stronger the magnetic field becomes, which appears to trigger a disturbance by "sucking" hot burning mass from below the surface, hurling it outward into space ... a FLARE.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
> MODERATE. THERE IS A GOOD CHANCE FOR AN M-CLASS EVENT FROM REGION
> 8214.

The region of magnetic "complexity" described above.

> THERE IS ALSO A POSSIBILITY FOR A MAJOR FLARE FROM THIS
> REGION, ESPECIALLY IF THE CURRENT TRENDS CONTINUE.

See. And you thought I was making all of this up, huh?

The point to remember ... this possible new solar disturbance has nothing to do with our current geomagnetic storm. Should another major flare occur, the entire sequence will start all over again!!!

The following GEOMAGNETIC discussion DOES refer to what's going on now:

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z:
> THE GEOMAGNETIC FIELD HAS RANGED FROM UNSETTLED TO MAJOR STORM LEVELS
> OVER THE PAST 24 HOURS ... WITH MAJOR STORM CONDITIONS
> OBSERVED AT MID AND HIGH LATITUDE STATIONS.

> FROM 0700-2100Z THE FIELD HAS BEEN CHARACTERIZED BY PREDOMINANTLY ACTIVE
> LEVELS, WITH SOME MINOR STORM PERIODS AT THE HIGH LATITUDE STATIONS.

> THE CURRENT ACTIVITY IS ASSOCIATED WITH THE
> X1/3B/HALO CME EVENT OF 02/1342Z. THIS EVENT WAS INITIALLY SEEN AT
> ACE AS A STRONG SHOCK AT 04/0229Z FOLLOWED BY A PERIOD OF NEGATIVE
> BZ FROM 04/0230-0430Z.

Bz is a measure of the direction and intensity of the magnetic field
in the solar wind area, that is, outside the earths magnetic field.

> THE SOLAR WIND DATA HAVE CONTINUED TO SHOW
> CHARACTERISTICS OF TRANSIENT FLOW OVER THE PAST 24 HOURS, NAMELY
> STRONG MAGNETIC FIELDS, VARIABLE TEMPERATURES, AND VARIABLE BUT HIGH
> VELOCITIES. THE FLOW DOES NOT SHOW THE 'CLASSIC CLOUD' STRUCTURE,
> SUGGESTING THAT THE DRIVER MISSED HITTING THE EARTH DIRECTLY.

This is saying while the shock wave of the solar disturbance hit us, the
"bulk" or core of the ejected mass of electrons/protons did not. In other
words, this storm could have been much, much worse!

> THE GREATER THAN 2 MEV ELECTRONS EXCEEDED HIGH LEVELS DURING THE PAST 24
> HOURS.

This has to do with the electron density and strength outside our
ionosphere and WHERE MOST OF OUR SATELLITES ARE LOCATED. This has nothing
to do with HF communications on earth, but would be of high concern if
you owned one of those satellites! It is mostly a warning for the
operators of satellites that high electron density is occuring, which
could cause electrical failures in the electronic equipment onboard the
satellites. 2 MEV = 2 Million Electron Volts.

I truly believe that before this solar cycle is over, there will be
several notable satellites destroyed by the effects of a solar storm.
The GPS satellites, for example, are made of radiation hardened
components to withstand this sort of thing, but many are not.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE PREDOMINANTLY ACTIVE FOR THE NEXT 24-36 HOURS DUE TO
> LINGERING EFFECTS OF THE CURRENT DISTURBANCE. CONDITIONS SHOULD
> RETURN TO UNSETTLED TO QUIET THEREAFTER.

Of course if another major flare occurs tomorrow or thursday, it will
change this picture in a hurry for more geomagnetic storming by this
weekend.

> III. EVENT PROBABILITIES 06 MAY-08 MAY
> CLASS M   75/75/75 <--- a 75% chance of an M-class (fairly large)
> CLASS X   20/20/20   over the next three days.
> PROTON   20/20/20
> PCAF   YELLOW   <--- Polar Cap Absorption warning

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED   05 MAY 133
> PREDICTED   06 MAY-08 MAY 135/135/130
> 90 DAY MEAN   05 MAY 106
> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 04 MAY 090/096 <--- a MAJOR storm (50-100)
> ESTIMATED AFR/AP 05 MAY 025/035 <--- a MINOR storm (29-50)
> PREDICTED AFR/AP 06 MAY-08 MAY 020/025-015/020-005/013
                                   ^^^^^   ^^^^^   ^^^^^
                                    Wed.   Thurs   Fri.

Leveling off fast. Still noisy, but HF communication paths will be
open, and friday is about normal. Although these effects will tend to
linger a bit longer in the higher latitudes, like Alaska. Sorry Jim.

I'm sorry for this being so lengthy, but it seemed it would be far less
effective of an explanation to break it up into installments. Particularily
with it all "fresh on our minds."

You have all experienced first hand the first major geomagnetic storm
in a decade. And other than just experiencing the bands being dead,
many of you have appreciated the physics and mechanisms behind it, making
those of you who have bothered to read this far, some of the most informed
amateurs on the face of the earth. Seriously, as much of this has all
developed from very recent observations of the sun, and very little of
it has appeared yet in printed form. But I must give public credit to
Dr. Tim Bastian, our observatory staff solar astronomer, for eagerly
explaining those concepts where my own knowledge level craps out. In
short, you're getting this (albiet 2nd hand) from one of the world's
premier solar astronomers. And as current as yesterday afternoon :-)

Hope you enjoyed it. More to come as dictated by the sun.

72, Paul NA5N
National Radio Astronomy Observatory
Socorro, New Mexico

Home of the VLA and VLBA radio telescopes.

Date: Tue, 05 May 1998 23:22:09 -0600
From: Kevin Nathan <knathan@ibm.net>
To: qrp-l@Lehigh.EDU
Subject: [10282] Thanks for Advice on Mobile antennas
Message-ID: <3.0.1.32.19980505232209.0068aa70@pop4.ibm.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks to all who responded to me re my inquiry concerning different types of mobile antennas. I can now shop with a little clearer idea of what I am looking at.

Again, thanks and 73.
Kevin nathan

Date: Wed, 6 May 1998 00:01:15 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Bill Jones <kd7s@psnw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10283] Re: New Webpage
Message-ID: <Pine.SOL.3.91.980505235205.4091D-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 5 May 1998, Bill Jones wrote:
> Friends,
> My first attempt at creating a webpage (http://www.psnw.com/~kd7s) is
> now available for viewing. Keep in mind that this is a "ya' gotta'
> start somewhere" effort.

Woah! Have you guys visited the KD7S website yet? Really neat. Some great, high resolution photos of his award winning homebrew rigs (literally) and how to make your own custom enclosures using ABS plastic. The instructions and illustrations are a "must-see" for anyone contemplating building that next rig and wants a neat enclosure. I didn't realize how simple of a concept using plastic was.

And for those who don't know Bill, KD7S (gonna embarass him here) ... he has built a few of the neatest QRP rigs I have ever seen, and his NorCal 40-9er, which looks like a classic old Collins rigs or something, has got to be the neatest thing I've ever held in my hands (which I have done). Everyone of Bill's rigs is different, but it has a commercial quality look to it that has to be admired. Anyway, you can see for yourself from the photos on Bill page.

I look forward to Bill sharing some more of his secrets with us as he continues to develop this welcomed addition to QRP web pages.
(And PS - I like the dog).

Standard disclaimer -- I have no connection with Bill except working him on virtually every contest, seeing him every year at PacifiCon, having the pleasure of judging his projects, and getting thrown out of that Italian restaurant across the street from PacifiCon together last year. Other than that, hardly know the guy.

72, Paul NA5N

Date: Wed, 6 May 1998 00:43:53 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [10284] REVIEW: ProTek P-3502 Scope
Message-ID: <Pine.SOL.3.91.980506002211.8498A@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got my ProTek scope finally a few days before I left for QRP TTF, and just now getting around to playing with it.

Another ham here at work also bought one. His is made of light ivory plastic, while mine is a dark gray/black plastic enclosure and front panel. We opened them up, and they are virtually identical inside, so evidently they were clearing out their stock to go to the new "black" style, but they appear functionally identical.

I am quite impressed with it. Throwing the HP 8657 signal generator on it, the time base is reasonable accurate, and EASILY getting 20 MHz of bandwidth out of it. Putting in a 1Vpp signal, it displays 850mV at 20MHz, and 3dB/half-power occurs at 29 MHz! Putting in a small 25mVpp signal, it displays a 20mVpp signal at 20MHz and hits half-power at 32MHz. Using the X5 MAGnifier, you can still resolve individual cycles to 50MHz, although the magnitude is only about 20% of the true input. Not bad.

MY TWO MAJOR COMPLAINTS are:
1. The trace intensity on both of ours was rather anemic. I learned how to correct that fairly easily, and will post that, and a few other alignment tips in another post in a couple of days. But if yours is dim, it does come up brighter with a couple of internal adjustments. PS - DO NOT ADJUST the -1.9KV trim pot, VR401. While this will make the trace brighter, it changes the loading on the low voltage power supply and throws the sweep calibration to pieces.
2. The X5 MAGnifier was more like times 4.3 on mine. Again, there are a

couple of internal adjustments to get it "dead on" to preserve your sweep/division I'll post later.

The manual is not bad. Schematics are nice and appear accurate, but the alignment steps, being in some unknown Korean-English dialect, is a bit hard to follow ... and the horizontal alignment steps seem to be in the wrong order. (You go through and adjust all the sweep ranges, THEN they have you adjust the horizontal sweep width and linearity. Duh.)

All-in-all, for those of you who got one, I'd say we got a pretty good deal. You should be happy with it, it is reasonably accurate for good measurements, good sensitivity, and should get years of good service out of it.

Time permitting, I will post a "Basic User's Guide" explaining how to use the dual trace, invert and add functions, etc. ... that should be applicable to most scopes. Hopefully within the next week. And for those of you working on the Elmer 101, I'll post the procedures for checking the time-base (sweep) calibration using Dave's VFO circuit.

GL, Paul NA5N

Date: Wed, 6 May 1998 01:11:53 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10285] Re: Solar Activity
Message-ID: <Pine.SOL.3.91.980506010909.8498C-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Rich Dailey, KA8OKH wrote:
> Listen to the bands. Read Paul's 2 part article on solar phenomenon.
> Read his QRP-L posts. Now listen to the bands again. Read the
> articles. Now QRP-L. See how it works?
>
> Thanks for the awsome demonstration, Paul. (How did he do that?)

Oh ... you want me to turn it off now? Should have said something sooner :-)
Nothing like "empirical" science, huh?

Date: Wed, 06 May 1998 00:24:10 -0700
From: Bill Todd <bill@willapabay.org>
To: ARDUJENSKI <ARDUJENSKI@aol.com>
Cc: qrp-l@Lehigh.EDU
Subject: [10286] Re: Contesting/beams/dipoles (last gasp!)
Message-ID: <1.5.4.32.19980506072410.00700b48@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:34 AM 5/6/98 EDT, you wrote:
>CONTEST RULES:
>(1) 200 ft of wire (100 ft twinlead)
>(2) 7500 amphour cumulative power source ONLY
>
>Note: beverage antennas allowed (stack of pop or (?) cans)
>
>Alan

Not bad - I was thinking that if we were only given 200 feet of wire, part of the time would be spent making ladder line out of twigs. That might be fun, but what if it is pouring rain in Seattle or Des Moines, IA? It would not be all that fair (hi).

Maybe the twinlead idea is another must-do.

CUL, Bill-N7MFB
http://www.willapabay.com/~bill
ICQ me at #8926298

Date: Wed, 06 May 1998 05:06:31 -0400
From: "Jonathan C. Mordosky" <mordosky@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10287] WTB: MRF237 Heat Sinks
Message-ID: <35502816.F5D04632@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Upgrading my Heathkit HW-9 and looking for better heat sinks

for the MRF237 PA transistors. Two recommended replacements
are the NTE401 and the ECG401 heat sinks. Have checked
several catalogs and unable to locate a current listing on
either. Does anyone have a few spares they are willing to
sell? Does anyone know of a supplier that still has a few
in inventory?

Take care and 72,
Jon   N3ZIL

Date: Wed, 06 May 1998 11:49:32 +0100
From: Wayne Dillon <w.dillon@ic.ac.uk>
To: peter barville <peter@barville.demon.co.uk>
Cc: gqrp-l@blacksheep.org, qrp-l@Lehigh.EDU
Subject: [10288] Re: GQRP - QRP VHF Contests
Message-ID: <3.0.3.32.19980506114932.00a50c50@mism.ad.ic.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

<SNIP>
>>BTW - did anything come of the suggestion for a European 'Fox Hunt'?
>>I haven't heard any more since the thread ended a
>>while back.
>I suspect it might have 'gone quiet' for two reasons. Maybe there
>wasn't enough support for the idea, but (more importantly) nobody
>volunteered to organise it!
>--

Dear Peter and the gang,

Yes the idea did go quiet, the main reason being my current workload at the office! Having floated the idea 99% of the responses were favorable, so, I'll try to get something organized for the autumn this year. I'll float the proposals to the group before setting them in stone. Co-ordination of the results can be via me and perhaps you can load them up onto your web site when it's all over in the spring of '99.

The idea hasn't died, it's just on a back burner! Overall the "Fox hunt" in the USA is very enthusiastically followed, thanks in the main part to Chuck Adams's (K5FO) efforts. I intend to model the EU version closely on the USA series (if that's ok with you Chuck?).

Stay tuned for further developments....

72/3 de Wayne - G0JJQ
Wayne S. Dillon
Maintenance Co-Ordinator
Room 129 Huxley building
Imperial College of Science, Technology and Medicine.
Exhibition Road
London
SW7 2AZ

Tel: 0171 594 9030
Fax: 0171 594 8930
E-Mail w.dillon@ic.ac.uk

Date: Wed, 6 May 1998 07:41:28 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: grudin@pacific.vdbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10289] Re: A little help from those across the pond please.
Message-ID: <J1z2rJAYYAU1EwPp@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <354F56B4.7412@vdbs.com>, Jeff Grudin
<grudin@pacific.vdbs.com> writes
>I am trying to build an interface that was described in a New Zealand
>publication and uses the english notation for the resistors and caps. I
>am not real sure and would like to verify your way of notating parts.
>
>Resistors:
>3k3 = 3.3K?
>1k = 1.0K?
>100R= 100ohm?
>
>Caps:
>1n0 = .001 uf?
>
>Am I close?
>
>Thanks for the help.

Your assumptions are correct. I think the notation is actually common to
Europe.

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk

Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 6 May 1998 08:28:29 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: vferme@sprint.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10290] Re: Low speed CW bandwidth.
Message-ID: <Qkig$dAdEBU1EwdS@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <000901b1233f28447180b71205d1@vince>, Vincent Ferme
<vferme@sprint.ca> writes
>Gang,
>
>Some time ago when reading about coherent CW, the author of the text said
>that the bandwidth used by a cw signal is proportional to the code speed. Is
>this correct or I misunderstood what he was saying? If correct, could you
>give me an idea of the BW when speeds of for example 10 and 20 wpm are used?
>
>LowFer experimenters send automated cw so slow they do not use wpm but
>dits and dahs per hour when referring to speed, to read code, software is
>used
>and the dits and dahs shown on a computer screen.

If you equate code speed to bits/s, 10 WPM is obviously less bits/s than
20 WPM, and will therefore require less bandwidth. There is a good
explanation of this stuff in the Handbook (p. 12.12). 10 WPM requires
100 Hz BW and 20 WPM requires 200 Hz.

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 6 May 1998 08:18:27 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [10291] Dayton Fora

Message-ID: <Pine.LNX.3.95.980506081447.23688B-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow, what a list of things to do!

QRP Friday at 8:15 a.m., and we're up against WB4APR's APRS talk (ouch!)
Kitbuilding at 2 p.m., along with antenna theory
MARS, TAPR, AMSAT, jeez, when will I get to do the Flea Mkt?

http://www.hamvention.org/forums.html

Plus, of course, all of the QRP stuff OUTSIDE of the fest!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* http://w3eax.umd.edu/~ham * ARRL Life Member /Laurel ARC/UMARA *
*** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

Date: Wed, 6 May 1998 07:23:25 -0600
From: "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
To: qrp-l@Lehigh.EDU
Subject: [10292] Solar ????
Message-ID: <BF1A354789@nich-nsunet.nich.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

Hello gang!

Guess I need to learn about Solar Activity. Got the Web sites you
guys have listed and will check them out.

Although Sunspot activity more or less governs Ham Radio activity I
just operate WHEN and WHERE I can.

There is ALWAYS some frequency open with someone to talk to. Guess
that's what so nice about Ham Radio.....

73 Evert

Evert R. Halbach WA5OJI
Internet - cs-erh@nich-nsunet.nich.edu
Phone   - (504) 448-4993
Snail   - P.O. Box 2168 Thibodaux, La. 70310
Home - 117 Sawmill Rd., Thibodaux, La. 70301

Date: Wed, 6 May 1998 08:46:46 -0400
From: Derek Brown <DBrown@RFMD.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [10293] Doughnuts, etc...
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980506124646Z-12412@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Krispy Kreme Doughnut Corp. is headquartered in Winston-Salem, NC

Other "things" originating from that same city include:
Winston, Salem and Camel cigarettes (RJ Reynolds) [I'm sure to get
"flamed" for this one]
underwear, lingerie (Hanes / Bali Corp)
And, yes, Texas Pete (Garner Foods)

What's this got to do with QRP or politics - I haven't a clue.

I'm envious of those making the pilgrimage to Dayton - sounds like
it's going to be a great trip...maybe next year. I'll have to settle
for the Upstate SC Hmfest in Anderson, SC this coming Saturday. I
hope to see some of you there.

Derek Brown, WF4I
Greensboro, NC
dbrown@rfmd.com

Date: Wed, 06 May 1998 09:11:04 -0400
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [10294] Re: doughnuts....
Message-ID: <6B137F61081DD0118DF600805FEAC5C5012D578D@SILVER.CORNING.COM>

Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Krispy Kremes....

I remember my first KK. It was a plain glazed doughnut. That was the morning I had breakfast in the pack shed at Ft. Benning. Later that morning I jumped out of an airplane (C-130) for the first time.

Its funny that I don't like doughnuts much anymore, but I sure get a kick out of jumping.

73
Preston, n0glm, Southern NY State

My words, not my employer's

Date: Thu, 07 May 1998 06:15:19 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [10295] Books for sale
Message-ID: <3.0.1.32.19980507061519.0068ec90@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have the following items for sale:

1) W1FB's QRP Notebook, DeMaw (ARRL), $8

2) W1FB's Design Notebook, DeMaw (ARRL), $8

` 3) QRP Power, various authors (ARRL), $8

` 4) ARRL Handbook (1995), $15

5) ARRL Antenna Book (1994) with software, $15

6) SPRAT Reprints, Vol. 5, $15

All items are very good to excellent condition and include shipping via USPS book rate CONUS.

Thanks,

Jack, W7PW

Date: Thu, 07 May 1998 06:20:59 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [10296] Re: doughnuts....
Message-ID: <3.0.1.32.19980507062059.006917d0@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:23 PM 5/5/98 -0400, you wrote:
>Actually, those of us who have to watch our diets prefer Bagels and
>Bialies.
>Don W4BWS

Does that mean no cream cheese?.....oh nooooooooo :>))

Jack, W7PW

Date: Wed, 06 May 1998 13:35:54 +0000 (GMT)
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Cc: Paul Harden <pharden@aoc.nrao.edu>
Subject: [10297] Re: STORM STATUS MAY 05
Message-ID: <19980506.133554.wb5rue@stic.net>

>Gang,

>Due to several personal committments after work, I won't have time to
>annotate todays Solar/Geophysical report until later.

<snip>
>Paul NA5N

You, however, have done your usual excellent job.

Thanks

Kevin, WB5RUE

Linears? We dunt need no steenking linears!

Date: Thu, 07 May 1998 06:29:14 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [10298] Re: SOLAR STORM UPDATE MAY 05 (long, but worth it)
Message-ID: <3.0.1.32.19980507062914.00689720@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:51 PM 5/5/98 -0600, you wrote:
>Actually, the subject is misleading since we're in a GEOMAGNETIC storm,
>the AFTERMATH of the long-gone solar storm. And because I've discussed
>the specifics of this event, I have neglected the "big picture" on all of
>this from the email I've received, so will briefly correct that here:

<mondo snip>

Paul:

That was an *excellent* post...thanks!

I've been thinking of installing a solar filter on the input to my 38
Special, but I can't figure out how to get the mylar to resonate at 10MHz ;>)

Jack, W7PW

Date: Wed, 06 May 1998 06:33:20 -0700
From: Bill Todd <bill@willapabay.org>
To: mwattcpa@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [10299] Re: New Contesting
Message-ID: <1.5.4.32.19980506133320.00701654@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:25 PM 5/6/98 GMT, you wrote:
>On Tue, 05 May 1998 21:20:24 -0700, Bill Todd <bill@willapabay.org> wrote:

>
>Wouldn't this eliminate those places where trees are a premium? (the Plains
>and the Desert Southwest come to mind ...)
>
>72 es 73 de Marty, KM7W

>>Perhaps the next NW QRP CLub Contest will fearure such:
>>a. No Pre-Assembled antennas allowed
>>b. 5 watts max
>>c. 200 ft max of wire
>>d. 100 ft of rope or twine
>>with one hour to put it all up and get on the air. I think it is a great
idea.
>>
>>Do you have any other suggestions as to how we might set up the contest?

Hi Marty -

You're right. Do you think we could allow people in treeless areas to use
man-made structures? I don't see why not...

CUL, Bill-N7MFB
http://www.willapabay.com/~bill
ICQ me at #8926298

Date: Wed, 6 May 1998 08:41:25 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [10300] Didn't know this was part of QRP, but I'm glad
Message-ID: <9805061353.AA12756@uahis1.uah.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

I didn't know doughnuts were integral to QRP, but now I like this
aspect of the hobby even more! (Does this mean everyone will start
listing their waist size at the bottom of emails along with all of
the other useless numbers?)

Seriously, when I was an officer at the local ham club I started a
regular event known as "Toroid Night." When the coffee fund developed
a surplus I would head to Krispy Kreme (http://www.krispykreme.com/)
and pick up a few dozen. Quite a few people would show up for the

eats, plus we drew in a few new people who wanted to know the
meaning of the repeater's DVR message.

The local KK is great. They have a neon sign that announces when
fresh doughnuts are available. Nothing beats hot doughnuts dripping
with fresh glaze, just out of the machine. If you come the the
Huntsville, Alabama Hamfest (August) the store is on Memorial Parkway
just north of University Drive.

73 Bryan W8LN
QRP ARCI 7040
Zip Code 35613
Emergency Number 911
Shoe Size 10 1/2

Date: Thu, 07 May 1998 06:42:54 -0700
From: Jack Parker <Pparker@greatbasin.net>
To: qrp-l@Lehigh.EDU
Subject: [10301] Books for sale
Message-ID: <3.0.1.32.19980507064254.0069afd4@mail.greatbasin.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This a *quick* group! Items 1 thru 4 of my book list are gone!

Thanks!

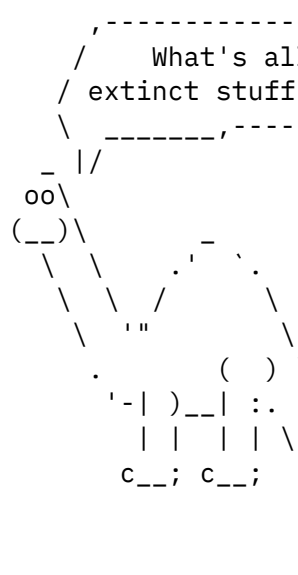
Jack, W7PW

Date: Wed, 6 May 1998 06:49:42 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Donald E Sanders <w4bws@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10302] Re: doughnuts....
Message-ID: <Pine.BSI.3.96.980506064907.14991B-100000@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 5 May 1998, Donald E Sanders wrote:

> Actually, those of us who have to watch our diets prefer Bagels and
> Bialies.
> Don W4BWS
>

I thought that a bagel was a seagull that wouldn't venture far from the pier.



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Wed, 6 May 1998 08:02:02 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Bill Down <ve5hq@gpfn.sk.ca>
Cc: Wood Bill <bill.wood@sk.sympatico.ca>, Webmaster <webmaster@gpfn.sk.ca>, Gloria Taylor <taylorg@siast.sk.ca>,
Jim Sandercock <jsandercock@sk.sympatico.ca>, Rick Rickwood <rickr@sk.sympatico.ca>, Richardson Doug <ve5cma@hotmail.com>,
Subject: [10303] Fw: Remember When . . . (fwd)
Message-ID: <Pine.SOL.3.91.980506075624.28268B-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

---------- Forwarded message ----------

Date: Wed, 6 May 1998 08:34:11 -0500
From: Keith Rattray <rattrayk@nornet.on.ca>
To: rattray@gpfn.sk.ca
Subject: Fw: Remember When . . .

>From: "Karen Vamplew" <vamplek@gov.on.ca>
>To: "Keith Rattray" <rattrayk@nornet.on.ca>,
>   "Juanita Rennie" <renniej@gov.on.ca>,
>   "Dave Beavan" <hogan@INTERLOG.COM>,
>   "Helene Champagne" <champagne@cyberstreet.com>,
>   "Krys Gil" <gilk@mczcr.gov.on.ca>,
>   "Lynne Owen" <lowen@globalserve.net>,
>   "Rob Douglas" <rmdgolf@bserv.com>, "Doug Chivas" <rorai@golden.net>
>Subject: Fw: Remember When . . .
>Date: Tue, 5 May 1998 15:11:51 -0400
>X-MSMail-Priority: Normal
>X-Priority: 3
>MIME-Version: 1.0
>
>
>>
>> A computer was something on TV
>> >From a science fiction show
>> A window was something you hated to clean....
>> And RAM was the cousin of a goat.....
>>
>> MEG was the name of my girlfriend
>> And GIG was your middle finger upright
>> Now they all mean different things
>> And that really MEGA bytes
>>
>> An application was for employment
>> A program was a TV show
>> A cursor used profanity
>> A keyboard was a piano
>>
>> Memory was something that you lost with age
>> A CD was a bank account
>> And if you had a 3 1/2" floppy
>> You hoped nobody found out
>>
>> Compress was something you did to the garbage
>> Not something you did to a file
>> And if you unzipped anything in public
>> You'd be in jail for a while
>>
>> Log on was adding wood to the fire
>> Hard drive was a long trip on the road

>> A mouse pad was where a mouse lived
>> And a backup happened to your commode
>>
>> Cut you did with a pocket knife
>> Paste you did with glue
>> A web was a spider's home
>> And a virus was the flu
>>
>> I guess I'll stick to my pad and paper
>> And the memory in my head
>> I hear nobody's been killed in a computer crash
>> But when it happens they wish they were dead
>>
>>
>>
>

Date: Wed, 6 May 1998 09:05:52 +0000
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>
To: qrp-l@Lehigh.EDU
Subject: [10304] Kit building at Dayton-from NEWSLINE
Message-ID: <v03007800b175d7f76890@[144.92.104.135]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From NEWSLINE 4/24/98
(Seems like a nice place for qrpers to show up and hand out flyers for qrp kit vendors)

Kit building at Hamvention '98

And kit building is making a big comeback in ham radio. In fact, its fast becoming the newest old fad to hit the service in years.

So as to accommodate the growing number of requests for more information in this almost lost art, Joe Eisenberg, WA0WRI of Lincoln, Nebraska is teaming up with some of todays hottest kit makers to host a first-ever Kit Builders forum at the 1998 Dayton Hamvention. Eisenberg tells Newsline that just

like the song, everything old is new again:

"What we are going to do is to try to show people the fun of building kits. We will even try to have a soldering iron for someone to try his hand at building with. We are going to show all the fun it is to put together kits and then make QSO's using gear you have built yourself." Joe Eisenberg, WA0WRI

Eisenberg says that he will be joined by a number of todays popular kit manufacturers:

"We will have representatives from Ramsay Electronics, Ten-Tec, Elenco, the G-QRP Club and Electronic Rainbow." Joe Eienberg WA0WRI

WA0WRI's Kit Builders Forum takes place on Friday afternoon, May 15th at the Hara Arena in Dayton. For more information on this and other exciting Hamvention events, visit their website at:

www.hamvention.org

(Via Newsline, WA0WRI)

Date: Wed, 6 May 1998 08:37:40 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-l@Lehigh.EDU
Subject: [10305] One More Discussion Topic
Message-ID: <v03007811b17623b3db90@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It has been called to my attention that I omitted the possibly number one-all time-won't go away-QRP-L-non-controversial-issue of all time;

1. Well constructed coils don't need Q-dope. If you must use something to hold your coils together; fingernail polish will do as well as Q-dope. If

it was dangerous they wouldn't sell it over-the-counter at Wal-Mart would they?

Hi to all you desert rats out there. I hadn't realized that there were several Abbey fanciers on the list. By the way Brien-how did you learn to love the desert southwest in Toronto?

Keep on thinking. - Duffey KK6MC/5

James R. Duffey <ji3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. http://www.maxwell.com/
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Wed, 6 May 1998 08:45:13 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Subject: [10306] 6 & 10 meters/Dayton/Field Day
Message-ID: <19980506.084725.2694.2.wa5whn@juno.com>

qrp-lers,

T32RT was S-5 into grid square DM65 last evening {0045 UTC} on 28.486 MHz. Even heard a few W0's {S-9+} chasing that station. 6 meters had some short duration {can you say fast qsb ?} openings. Hey, where is everyone ? I do know that there are numerous QRP stations on 50.2 MHz USB in the Los Angeles area.

NA5N is being very modest. Paul does know quite a bit about the internal solar mechanisms, especially when solar eruptions interfere with the earth's ionosphere. A well written article is in the recent QRP-ARCI Journal, by NA5N about the Sun.

For those of you who have never been to the VLA, there is a walking tour available, during the day, at the antenna site, half way between beautiful downtown Datil & historic Magdelena, NM, off of highway 60. Remember, you are in a high altitude desert envoirment, at this site. Actually, it is a prehistoric lake bed. This area is also a rock hounds delight too. A bit further ~ 150 miles SE of the VLA antenna site is a walking tour of the Sacramento Peak Solar Observatory {Sunspot, NM}. A visit to this site is worth the walking tour, if you are interested in the Sun. You can even pan for placer gold near Bonito Lake, north of

Ruidoso, NM, & camp out in the Lincoln National Forest, south of Cloudcroft, NM. Lots of tall ponderosa pine trees to hang antennas in. Who knows ? You might see something strange flying over the US Army's White Sands Missile Range, to the west of Sunspot, NM. ;) The Trinity Site {NA5N SES in '95} is open on the first Sat. in April & Oct..

http://www.sunspot.noao.edu/

Dayton: For those of us who will not be able to make it there, if you would not mind, please post a few comments about what is happening to the QRP-L. It would be appreciated. Chuck - K5FO, same request for HamCom.

What are everyone's plans for the last full weekend in June ? {ARRL Field Day} You might comment on what gear you are taking & what works for you in a portable envoirment.

See some of you at the Ft. Tuthill Hamfest {http://www.dancris.com/~ki7mn/} in July. Oh yeah, what's this year's password & secret handshake to get into the QRP camping area @ Ft. Tuthill ? Last year it was $8.00 (US) & "Hi Roger" {N7KT}. ;) Is this year's secret ceremony going to be $10.00 (US) & "Hi Bob" {KI7MN} ?

72 & get on the air...Jay, WA5WHN

DM65qd Albuquerque, NM USA

Date: Wed, 06 May 1998 08:56:59 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [10307] Re: WTB: MRF237 Heat Sinks
Message-ID: <35507A3A.25D4DE0E@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jonathan C. Mordosky wrote:
>
> Does anyone have a few spares they are willing to
> sell? Does anyone know of a supplier that still has a few
> in inventory?

Or, better yet, an equiv or better replacement.!!!

john - n0hj

John A. Evans   Chief Systems Administrator
Office: (719) 528-1800 x164   Titan Software Systems
Fax: (719) 528-1888   1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com   Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

Date: Wed, 6 May 98 09:57:22 CDT
From: QLF%mimi@magic.itg.ti.com
To: qrp-l@Lehigh.EDU, ji3m@maxwell.com
Subject: [10308] re: Non Controversial QRP-L Discussion Topics
Message-ID: <9805061457.AA24585@itg.ti.com>

From: Brad Bradfield   QLF

Subj: re: Non Controversial QRP-L Discussion Topics

To respond to Duffey's quiz (It was a quiz, wasn't it?):

1) T
2) T
3) T
4) T
5) T
6) T
7) T
8) T
9) T
10) T
11) Partly true. Actually George Carlyn is the second greatest mind
    (Actually he's one of the more warped minds!) of the twentieth century,

followed a close second by that great American Philosopher Sherman T. Potter.

12) Huh?

And to add one of my one:

13) Anybody who knows beans about chili knows you don't put beans in chili!

72's es 73's,

Brad, WB0CGH
Just another farm kid from South Dakota.

"This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us."
Western Union internal memo, 1876

"The telephone will be used to inform people that a telegram has been sent."
Alexander Graham Bell

Date: Wed, 6 May 1998 16:44:18 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: pharden@aoc.nrao.edu
Cc: qrp-l@Lehigh.EDU
Subject: [10309] Re: New Webpage
Message-ID: <199805061544.QAA07775@chuck.dallas.sgi.com>

Knowing both Bill and Paul and since Paul brought it up. Which one of you caused you both to get thrown out of that Italian restaurant across from Pacificon last year? :-) Inquiring minds wanna know.....

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Wed, 6 May 98 11:08:55 PDT
From: gregoire@endor.com
To: Low power amateur radio discusion <qrp-l@Lehigh.EDU>
Subject: [10310] 20 Meters,heard G4, wrkd k5dvq.La.

Message-ID: <Chameleon.980506111259.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

With the A index at 96 this morning I expected
dead bands.

I heard, but was not heard by, G4BXQ,
I did manage to work K5DVQ . In La.

Paul Harden's article in QQ was very nicely timed.
I read every word.

de AA1IK, Time the accursed enemy of man,
  cursed by youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd.
Canaan, NH. 03741 Fly fisher & tier,
  Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

05/06/98 11:08:55

Date: Wed, 6 May 1998 22:15:54 -0500
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [10311] "QRP Classics"
Message-ID: <v01530500b176d7610ad0@[209.97.12.93]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know I may get a chuckle out of a few of you but I am still obligated to
post this message from time to time.

I'm looking for a new (ha!) or used copy of "QRP Classics". If anyone has
one to sell please let me know. Thanks

Frank

Frank Matthews
Technology Education Department
Oscar F. Smith High School
1994 Tiger Drive
Chesapeake, VA 23320
(757) 548-0696 Ext. 51
Email/fmathews@norfolk.infi.net

Date: Wed, 6 May 1998 09:01:05 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'Jim Fielden'" <fielden@utkux.utcc.utk.edu>, Barry J Minsky <w2bj@juno.com>
Cc: "cw@qth.net" <cw@qth.net>, "qrp-l@lehigh.edu" <qrp-l@Lehigh.EDU>,
"qrp@qth.net" <qrp@qth.net>, "qrpp@qth.net" <qrpp@qth.net>
Subject: [10312] RE: [CW] Re: [QRPp] THE BANDS
Message-ID: <01BD78CD.819CAF00@pps-pc10.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I think that would be a meeting I would like attending. I wouldn't even mind if it went over.

de KB0ROL, Brad

From: Jim Fielden[SMTP:fielden@utkux.utcc.utk.edu]
Sent: Tuesday, May 05, 1998 1:24 PM
To: Barry J Minsky
Cc: qrp-l@lehigh.edu; qrp@qth.net; qrpp@qth.net; cw@qth.net
Subject: [CW] Re: [QRPp] THE BANDS

IT's Bad in East Tennessee, I've tried 10,12,15,17,20,30 and 40 meter and I hear maybe 3 stations on all of that. Don't know about SSB but the CW part of the bands in my area have been dead...I do have an In Attic Ant I thought maybe it was that, but I hear pretty good most of the time.

Hey this might be a good time to ask such a large crowd of OM, anyone want to start a 40 Meter CW Round Table? Keep it where anyone could check in I think if everyone sent about 13 wpm + or - a few, we could start it somewhere in the clear, 7.063 or something like that some out of the way

spot....

What do you think?

72,73,
Jim -- KU4QW

On Mon, 4 May 1998, Barry J Minsky wrote:

> Wow! The bands are really dead. This solar flair is deadening. I am in
> GA. I an hearing almost nothing but QRN on 30 and 40. How is it
> elsewhere?
> 72/73,
> Barry J. Minsky, W2BJ
> ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
> Knightlites, Adventure Radio Society #359,
> Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
> Club #3723
> Amateur Radio Missionary Service
>
> ____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com
> Or call Juno at (800) 654-JUNO [654-5866]
>
> ---
> Submissions qrpp@qth.net
>

Date: Wed, 06 May 1998 10:00:59 -0700
From: Charles Kadesch <chas@digizen.net>

To: qrp-l@Lehigh.EDU
Subject: [10313] Re: doughnuts, bagels, and the bands
Message-ID: <3550974B.4EC0@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When can we move on to Twinkies and Moon-Pies?
The bands were a little more lively last night- maybe all
the flaring will be precursive to more sunspots. Bring 'em on.
-72 de Chas W3KC-

Date: Wed, 6 May 1998 10:40:38 -0500
From: Larry Cruise <Larry.Cruise@mci.com>
To: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [10314] RE: One More Discussion Topic
Message-ID: <01BD78DB.6B5BEF40.Larry.Cruise@mci.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

James R. Duffey wrote:

<snip>

>11) Armstrong (inventor of FM, superhetrodyne, and superregeneration) was
>one of the Twentieth Century's two greatest minds. Ernie Kovacs is the
>other. Edward Abbey is the third.

<snip>

<Hi to all you desert rats out there. I hadn't realized that there were
<several Abbey fanciers on the list.

Inquiring minds may want to check Edward Abbey out at:

http://www.utsidan.se/abbey/

Now I know why the New Mexico gang is the way they are. :)

.

-72 Larry aa5ta (West Texas)

-----Original Message-----
From: James R. Duffey [SMTP:ji3m@maxwell.com]
Sent: Wednesday, May 06, 1998 9:38 AM
To: Low Power Amateur Radio Discussion
Subject: One More Discussion Topic

It has been called to my attention that I omitted the possibly number one-all time-won't go away-QRP-L-non-controversial-issue of all time;

1. Well constructed coils don't need Q-dope. If you must use something to hold your coils together; fingernail polish will do as well as Q-dope. If it was dangerous they wouldn't sell it over-the-counter at Wal-Mart would they?

Hi to all you desert rats out there. I hadn't realized that there were several Abbey fanciers on the list. By the way Brien-how did you learn to love the desert southwest in Toronto?

Keep on thinking. - Duffey KK6MC/5

James R. Duffey <ji3m@maxwell.com> (505) 764-3143
Maxwell Technologies Inc. http://www.maxwell.com/
2501 Yale Blvd SE Suite 300
Albuquerque, NM 87106-4200

Date: Wed, 6 May 1998 15:42:50 GMT
From: k8cv@juno.com
To: qrp-l@Lehigh.EDU
Subject: [10315] new Dayton 38S +
Message-ID: <19980506.154424.8750.3.k8cv@juno.com>

Hi Gang.....wowsers!

Does anyone know the price of the NEW 38S to be announced at Dayton? Has anyone sent it to Chuck for testing yet?

Walt K8CV

Date: Wed, 6 May 1998 12:12:29 EDT
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10316] Re: The band that was
Message-ID: <a94c33be.35508bef@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Rich,
I tried to get you last night. Heard you in there, but the HF God said no. :-(

72, 73
Dan, N8VZU

Date: Wed, 6 May 1998 09:16:13 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [10317] Paul Harden to Speak on Solar Activity at Pacificon
Message-ID: <01bd790a$4a3282a0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow! What a posting by Paul. We are very, very fortunate to have someone of his ability on this list. The explanation of what is going on is nothing short of fantastic. Paul, you are a true genius, thank you.

I was saving this, but just can't hold it back any longer. Paul Harden will be one of the featured speakers at Pacificon this year on Saturday, Oct.

17th at 10 AM in the Sheraton Hotel at Concord, CA. His topic will be Solar Activity. I will announce the rest of the speakers at Dayton on Saturday night, and Paul is just the tip of the iceberg. If you want to hear Paul speak in person, make plans to attend Pacificon. It will be worth the trip just to hear his presentation.

72, Doug, KI6DS

Date: Wed, 6 May 1998 12:29:36 EDT
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [10318] Dayton Weather Forcast
Message-ID: <996c51c2.35508ff1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Here's the scoop on our weather.

Our seven day forecast shows scattered showers and thunder storms through Sunday. Monday and Tuesday shows mostly cloudy. Highs will be in the upper 70's today and Thursday, and falling into the upper 60's Friday and Saturday, Sunday through Tuesday will be in the low 70's.

Currently it's 63 and partly sunny.

72, 73
Dan, N8VZU
QRP-L #1404

Date: Wed, 6 May 1998 11:32:43 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: pharden@aoc.nrao.edu
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [10319] Solar storming
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C1E80F7@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Paul:
I enjoyed your supplementing the solar report. Got a kick out of this

comment, though
"Turn on your radios and learn what a geomagnetic storm producing black
out
conditions is FIRST HAND."

Been there and done that. I was in the Alaskan interior during the
solar peak from '56 to '58.
At night, if I was on the air, at times I would hear signals just die
out. It was as if someone had pulled the ac cord, the filaments
(remember them?) were cooling and the power supply caps were
discharging. Only took a few moments to no signals at all.

I could go outside and look up, and there would be a beautiful aurora,
with streamers fanning out like the spokes of a wagon wheel. This meant
about three days of fixing equipment, antenna tinkering, reading books,
etc. No operating. Weren't any signals there :-)

Hopefully we will recover faster down here in the lower 48, as I want to
get back on the air.

73, Bob N6WG

Date: Wed, 6 May 1998 12:44:13 -0400
From: wd4nak@juno.com
To: qrp-l@Lehigh.EDU
Message-ID: <19980506.124415.10550.0.wd4nak@juno.com>

Does anyone have the instruction on installing in to the kenwood TS 120 S
the CW filter YK-88 C. I have the manual but that does not give that info
it just says to install but no instruction on how to do it .   If you
have this info and would send me a copy I'll will be glad to pay for it
. thanks to all and I am going to use the 120 for QRP .
         Charles wd4nak

Date: Wed, 6 May 1998 12:39:11 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>

To: Frank Matthews <fmathews@norfolk.infi.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10321] Re: "QRP Classics"
Message-ID: <Pine.GSO.3.96.980506123824.15867C-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Oscar Smith HS. Wow and you are going to teach the kids ham radio? Great.

73

W4MCD Richard
I live in Chesapeake

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Wed, 06 May 1998 09:53:57 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [10322] Getting thrown out of Italian restaurants
Message-ID: <355095A5.84C3E86F@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck,

Because you know both of us, there is obviously no need to ask.

Chuck Adams wrote:

> Knowing both Bill and Paul and since Paul brought it up. Which one
> of you caused you both to get thrown out of that Italian restaurant
> across from Pacificon last year? :-)

==========
Bill Jones - KD7S <><
Sanger, California
http://www.psnw.com/~kd7s

==========

Date: Wed, 6 May 1998 11:57:32 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: rsorge@phoenix.net
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [10323] DSP
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C1E810A@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi, Bob. Saw your request for info on DSP.

I guess the first question is how do you propose to use it?

There are three ways DSP is used. On ssb, it allows you to have separate high pass and low pass filters so you can tailor the received audio to what sounds best to you under a given set of conditions, QRM, QRN, etc.

In cw, you can get very narrow selectivity. I have settings down to 100 Hz and 50 Hz on mine, and I do use them occasionally.

Most DSP units also have a noise reducing algorithm, which can work very well under certain conditions. It is usually available at the same time as the filtering functions.

On the other hand! A DSP unit won't make a huge improvement in a receiver that has poor selectivity to begin with. It works best with a receiver that has good filters already. It is really a supplement to, rather than a replacement for good filtering.

The increased selectivity that is possible with DSP, particularly on cw, does place additional demands on the stability of your receiver and the other station's transmitter.
It's a nuisance having to play "chase the signal" with RIT.

Where noise reduction is concerned, I get the best results using the DSP as the final cleanup effort. I start with an ANC-4 Antenna Noise Cancelling unit to remove what noise I can before it enters the rig. I also back off on my RF gain, so the internal amplifying stages don't get driven into nonlinearity and make the noise worse. I use my noise blanker on those rare occasions when it actually makes a difference :-)

Also, narrowing the receiver IF selectivity helps a great deal in reducing total noise through the receiver. Then I push the NR button on the DSP so it can do its part. There is a definite range of levels the DSP wants to see for best NR work. Too much or too little signal, and it isn't nearly as effective.

I have both the Timewave DSP59+ and the NIR-12 DSP unit by the same folks who make the ANC-4 unit. Both have their advantages and disadvantages. I have them both connected in series, so I turn off whichever one I'm not using and the signal just passes on through to the other unit.

In some respects, the DSP59+ doesn't seem quite as powerful as the NIR-12, particularly in noise reduction, but in operation I find it easier to use, so I use it most of the time. The NIR-12 has an extra bit of audio roll-off filtering that seems to reduce some harshness in the received signal, so I will use it from time to time just to give my ears a rest.

I'd love to be able to take the best features of each and roll them into one unit.

Hope this gives you a few things to think about, Bob.
73, Bob N6WG

Date: Wed, 6 May 1998 10:07:25 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: Leon Heller <leon@lfheller.demon.co.uk>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10324] Re: A little help from those across the pond please.
Message-ID: <Pine.LNX.3.96.980506100527.3316D-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Leon Heller wrote:

> Your assumptions are correct. I think the notation is actually common to
> Europe.

I find the notation to be a little odd, but when one thinks about it, it makes sense. It conveys the same information in a smaller space. While it may not be easier to read or as "convenient," once you get used to it, it turns out to be more of a standard. After all, the decimal point is

not always a period, but an "r" or "n" is always what they appear to be...
:)

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | http://www.dolphin.openprojects.net

Date: Wed, 06 May 1998 10:12:09 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10325] Elmer 101: Mixer discussion questionS...
Message-ID: <355099E8.E34559EE@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

This is a good time for my few questions on mixers as the
discussion on the NE602 is starting.

As I understand, there is two types of mixers: Passive and Active

The passive types are usually made of diodes.
Some use Schottky diodes other use general signal diodes
The active types can be made with many types of transistors.
(BJT, FET, MOSFET)

We also have some designs with active mixers that are in chips.
In this we have the NE602, MC1496, CA3028, CA3046, MC3346,
Plessey SL6440, MFC8030, TL442/SN76514, Si8901/SD8901

I am sure I missed a few :)

Some of those are dedicated mixers and others are simply transistor
arrays used in a mixer application. Some are unbalanced, some singly
balanced and other doubly balanced. I know that the doubly balanced
have less mixing products than the other types. What are the other
advantages of one over the others?

The active mixers usually have an insertion gain and the passive mixers
an insertion loss. After amplification of the passive mixers,
which one is really better ?

-What type of mixer offer the best reception.
-What about their noise floor, their insertion loss/gain.
-What about AM rejection?
-What about intermodulation?
- BTW What does the third order intercept mean? I know it has
something to do with third order mixing products. What does it
really mean in real life?

For those who want to build their own mixers what are the criteria
for the choice of components such as the diodes or the transistors.
I know that the diodes should be matched. What about one type
of diode over another?

If I want to build a heterodyne receiver and I want the best front end
mixer which mixer should I choose? What about the BFO mixer?

What are the differences between a mixer and a product detector.
I know that some mixers are used as product detectors but not the
reverse. Why? Designed output bandwidth maybe?

When we are listening to SSB or DSB, the use of the last mixer and
the BFO is to put back the carrier. It is then demodulated in the
mixer(Is it?).

What if I do not put back the carrier and I try to listen to AM?
After all AM _IS_ DSB with the carrier still there!
Will this work?
On what kind of detector would this work?
Will we hear the carrier?

I have a bunch of MC1496 here. Up to what frequency can I use it?
Is it any good? i know it is mainly used as a dsb generator and as a ssb
product detector. Can I use it at the front end or is it stuck at the bfo?

Thanks, looking forward to your replies...

--

  Pierre Constantineau B.Eng   Email: pierre@cmpe.ubc.ca
  M. Applied Sciences Candidate   Phone: (604) 822-2913
  Flash Smelting Group   Fax: (604) 822-4750
  Centre For Metallurgical   111-2355 East Mall
  Process Engineering   Vancouver, BC, Canada
  U. of British Columbia   .oooO   V6T 1Z4

Date: Wed, 6 May 1998 13:00:23 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-l@Lehigh.EDU>
Subject: [10326] Re: new Dayton 38S +
Message-ID: <00ef01bd7910$7658ca50$5c8a94d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Walt,

If you are refering to the new and improved 38 Special now called 44 Magnum
from HB Electronics,
the target price is $44-45 dollars.

I think Paul Harden was/is testing it, but not sure.

No connection with HB Electronics.

73 de Vince, VE3VFN.

-----Original Message-----
From: k8cv@juno.com <k8cv@juno.com>

>Does anyone know the price of the NEW 38S to be announced at Dayton? Has
>anyone sent it to Chuck for testing yet?
>
>Walt K8CV

Date: Wed, 6 May 1998 13:21:06 -0400
From: "Fishman, Clark" <cfishman@pica.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>

Subject: [10327] MRF237 Heatsink
Message-ID: <61184F6C1EF9D0119A6300609798EA460101817D@pica-emh9.pica.army.mil>
MIME-Version: 1.0
Content-Type: text/plain

The case of this transistor is the emitter and grounded in 99% of it's
use...
so you can solder some copper flashing or PC board material right to the
cas without detuning or fear of shoeting the power to ground.

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: Wed, 6 May 1998 10:21:45 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Larry Cruise <Larry.Cruise@mci.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10328] RE: One More Discussion Topic
Message-ID: <Pine.BSI.3.96.980506101443.5026C-100000@usr08.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Larry Cruise wrote:

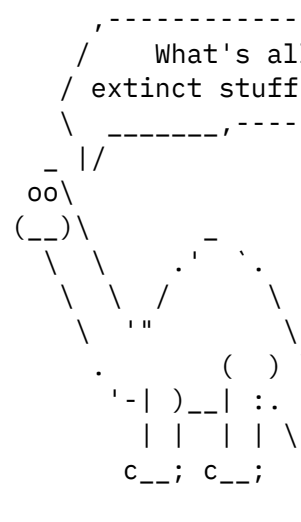
>
> James R. Duffey wrote:
>
> <snip>
>
> >11) Armstrong (inventor of FM, superhetrodyne, and superregeneration) was
> >one of the Twentieth Century's two greatest minds. Ernie Kovacs is the
> >other. Edward Abbey is the third.
>
> <snip>
>
> <Hi to all you desert rats out there. I hadn't realized that there were
> <several Abbey fanciers on the list.
>
>
> Inquiring minds may want to check Edward Abbey out at:
>
> http://www.utsidan.se/abbey/
>

    There are Abbey fans everywhere that the human spirit seeks to
escape from the shackles of contemporary society. That is the meaning

of the "Hayduke Lives!" sticker on the back of my truck.

I had the priviledge of meeting Abbey numerous times when he came to the Phoenix area to give readings and sign books, even got to usher at one. When I presented him with a copy of "Desert Images" for an autograph, he exclaimed, "Oh! Somebody actually bought a copy!"

I particularly like the anecdote about his real feelings about women, which I won't repeat here because of the language. Those of you who have read Abbey's later works can imagine what he said. Those of you who haven't might want to pick up a copy of "Desert Solitaire" as a good introduction of some wonderful, insightful, and introspective western writing.



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
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Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Wed, 6 May 1998 19:29:44 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [10329] SUMMER FOXHUNT V1.0
Message-ID: <199805061829.TAA08475@chuck.dallas.sgi.com>

Gang,

FIRST ANNUAL SUMMERTIME FOXHUNT

Purpose of said foxhunt to get the movement to 10 meters started with the rise in Solar Flux and get the rigs out of the closet that have been there over 6 years now. :-) Everybody on QRP-L is a fox for this one. Some will not participate.

OK, summer FOXHUNT starts 0001UTC May 9th, 1998 and runs until 2359UTC September 6th, 1998. Said FOXHUNT to run 24hrs per day and points limited to QSOs and contacts with other QRP-L members on Ten Meters, 28.000MHz to 29.700MHz. This gives the N/T+ group an opportunity to get into the fray also. Two prizes to be awarded by me, one March Iambic Paddle (see the web page at http address in my signature) and one Uniden 2510 (used but in extra fine condition) with manuals. The paddle for the winner of the SSB scores and the Uniden for the CW scores. :-) Joking. The other way around please. :-) ;-) Oh, the Uniden with microphone included. Both prizes valued around $150 each.

So here are some simple rules and hopefully we won't get into no stinking flame wars and threads over this. :-) I thought of this, so discussion and beating topic to death won't help much. :-)

RULES VERSION 1.000
(subject to mods later, but not much later)

1. Two classes, CW or SSB. Individual may officially enter one, but not the other. No hogs allowed, please. :-) But you can give away points in the other class. You must send email to K5FO within 7 days if you are making contacts for both noting which class you are officially entering. This will prevent decisions based on score being made at the last minute. :-) Failure to do this will result in loss of entire score. Sorry, but that's the rule.

2. One point per contact with QRP-L member one time per individual. This means if you work K5FJZ twice you only get to count him once. SSB contacts with K5FO count as 5 points for SSB. :-) I will be on a few times just to show that I can operate a microphone, so look for K5FO/m. Novice/Tech contacts count as 3 each for SSB and 5 each for CW. I'll post calls and names later. I'll come up with prizes for the N/T+ ops later. Ideas/contribs? Novice/Tech+ operators send me email if you are doing this

so that I can post a list of who to look for. You'll be famous.....

3. QRP power levels only. 5W CW and 10W PEP SSB.
Here we rely on the honesty of the individuals. We'll use the QRP ARCI power levels and not the ARRL contest limit of 5W PEP SSB.

4. Exchange Call, Name, QTH, Signal Reports, QRP-L# and power levels.

4. Electronic logs only for submission to K5FO via the Internet. adams@sgi.com Deadline 10 days after the ending date. Format to be determined and announced within 20 days of this announcement, so if you have a format in mind, send email to K5FO only, please.
First pass that comes to mind is, sorted by QRP-L number,

QRP-L# DATE TIME STATION FREQ RST_SENT RST_RCVD NAME STATE PWR_LEVELs

DATE in form YYMMDD and TIME, of course, in UTC timezone. His Your power levels in that order.

Example,

1 980709 0200 K5FO 28.038 599 599 Chuck TX 1W 5W

You only have to get the QRP-L# and callsign and state to validate the contact. We're not trying to beat the issue to death on just what data constitutes a valid exchange. It varies dependent upon contest,etc. Freq not all that important, so no need for freq counter here.

5. No prearranged schedules or announced plans to be on the air to be posted to QRP-L or in private email. Catch as catch can.
All contacts to be made from the same QTH or within 50 mile radius.
Prevents those that travel to swapmeets, Dayton, etc. from picking up an easy score. :-) ;-)

6. Sorry, but this is a 10 meter foxhunt, no WARC or other band scores count.

7. Do not repost this to QRP-L or another group, please. We've seen it. :-)

Some misc. notes:

a. No antenna handicaps. Beams, quads, etc. count same as wet noodles.
No level playing field, the tractor and plow is in the barn. :-)

b. Expect lots of mobile stations and portable stations during lunch hours.
c. CQ QRPL DE XXXXX most likely hailing call. Your call for XXXXX.
d. Suggestion that all move slightly away from QRP calling freqs. Say
    28.030-28.050MHz CW (move the free-banders and taxi drivers out)
    28.130-28.150MHz CW N/T+
    28.330-28.350MHz SSB N/T+
    28.330-28.350MHz SSB G/A/E (now someone let me know direct if we are
             pushing some DX/RTTY/Digital/beacon freqs/nets/...)
e. If people insist on announcing this to other groups, newsletters,
    magazines, then expect the QRM level to increase. It has happened
    to everything this group does.
f. Expect good participation mornings and evenings with mobile stations QRP.
g. With Solar Flux on the rise, maybe more openings, so this is a test to
    see the correlation.
h. Donut, chocolate or otherwise, multiplier not allowed. :-)
i. Wind factor does not apply to score.
j. When 10 meters is good, it is the best QRP band around.
    QRP levels and how well they work on this band will surprise the new ones.
k. Expect your state count to rapidly grow on good days.
l. Short notice given to make it exciting for those without a 10 meter rig.
m. QRP-L number obtained using email to LISTSERV@LEHIGH.EDU and in body put
    RUN QRP-L X GETNR your_call

OK, that outta just about do it. More to follow as needed and let's hope this
covers it all. Remember this is for fun and to get you away from the keyboard.
We've beat the lower bands to death, so let's try a new one. Mileage may vary.

FYI and good luck

Chuck Adams K5FO Dallas,TX   CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Wed, 6 May 1998 12:41:52 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: mikemo@ibm.net
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [10330] Hot-rodding the HW-8
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C1E8128@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Well, I've thought about that myself, Mike.

Some considerations you need to keep in mind. Are you going to run the same power or more? The output network was designed for 50 ohms in and out, at about 1.5 watts or so.
If you try to run 5w, you will need to change the LC constants, or provide impedance transformation between the collector of the PA and the input side of the output network. Maybe a 4:1 transformer would get you close.

If you do try to run a higher powered transistor, you may need a heatsink. How much clearance is there around the PA location? Will reorienting the transistor to accomodate its pinout affect this?

The higher powered PA transistor may need more drive than the existing device. Might require a bit of driver circuit rework. Also, the input capacity may be more or less than the device you are replacing. Might require retuning the driver stage for max gain/output.

You might consider an electronic QSK circuit to eliminate the antenna relay flapping away. With a larger, maybe more expensive power transistor, you don't want to take a chance on blowing it.

Sorry no hard answers for you, Mike, just food for thought.

73, Bob N6WG

Date: Wed, 06 May 1998 12:03:55 -0600
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-l@Lehigh.EDU
Subject: [10331] Re: "QRP Classics"
Message-ID: <3550A60B.9B3516E4@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frank Matthews wrote:

> I'm looking for a new (ha!) or used copy of "QRP Classics". If anyone has
> one to sell please let me know. Thanks

I'll do you one better. I really only want to read the book - if anyone has a loaner copy they would like to loan me, I'd gladly pay for postage roundtrip plus handling. Of course, I would gladly accept an offer to

sell me one, too!!!!

72 - john - n0hj

John A. Evans Chief Systems Administrator
Office: (719) 528-1800 x164 Titan Software Systems
Fax: (719) 528-1888 1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

Date: Wed, 06 May 1998 12:02:43 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Cc: roygregson@aol.com, pharden@aoc.nrao.edu
Subject: [10332] Emtech NW20
Message-ID: <3550A5C3.55B2@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Fellow QRPer's!!

Wondering if any others that have built the NW 20 have been experiencing any problems with Foreign Broadcast stations drifting in and out of the receiver?

I have two stations that pop in and out of the rig. One is at 13.815 and the other(found this am) is at 13.615. Neither of which is at the IF freq.(9.600) or even at 4.400 - 4.470 the LO freq. The math does not add up. Tuning T-1,T-2, and T-3 do have an effect in getting rid of the station, but it also just happens to be the peak for the cw section of 20 meters.These shortwave stations come in so loud at times that it completely over rides any cw that may be present.

At Roy's and Paul's advice, I have grounded the cases of the crystals in the crystal filter stage, and also placed a .1pf cap accross the volume control. No effect at all. I have gone through and made sure all grounds are good, and made sure all the parts are in the right place.

So, if anyone else on this post has had this problem, please share the

cure with the group.

The rig works great and has a very hot receiver,fast qsk, and is solid
as a rock. Just got to get rid of the BC!!!!

Thanks and 72, Tom WB5QYT

Roy and Paul....appreciate your help...TNX!!

Date: Wed, 6 May 1998 11:08:23 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10333] Re: New Webpage
Message-ID: <Pine.SOL.3.96.980506110731.10047A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Chuck Adams wrote:

>
> Knowing both Bill and Paul and since Paul brought it up. Which one
> of you caused you both to get thrown out of that Italian restaurant
> across from Pacificon last year? :-) Inquiring minds wanna know.....

Wasn't there something about zippers or zappers or zuppimting like that?

:-)

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu..........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 06 May 1998 14:08:59 -0400
From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10334] 10 Meters at 16:40 UTC Today
Message-ID: <3550A73B.AAB21D8B@eng14.rochny.uspra.abb.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,
I went out to my car at lunch time today and checked 10 meters... dead
as a door nail. But I called cq 3 time on 28.025, no luck but
one cq at 28.060 and kp4bme came back! He was 589 and he said I was
579. Dead band... no way!

73,
Tom, kv2x

Date: Wed, 6 May 1998 11:15:56 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [10335] Re: Paul Harden to Speak on Solar Activity at Pacificon
Message-ID: <Pine.SOL.3.96.980506110847.10047B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

If you have never heard Paul speak and/or if you have never
been to Pacificon, you really should make every effort you
can to do so!

Doug and Jim gather up some of the best speakers and best people
and put on one heck of a show!!

Dayton has rain, Ft. Tuthill (sp?) has wind but Pacificon has
ribs! And you might even get to see for yourselves why Paul
and Bill got thrown out..... :-) (I really hope they don't
do that again!)

Feel free to come through Reno and leave some money... :-)

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 6 May 1998 19:14:58 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10336] Making PCBs with an ink-jet printer
Message-ID: <xptUNFAiiKU1Ewps@lfheller.demon.co.uk>
MIME-Version: 1.0

I've been experimenting with techniques to make PCBs cheaply at home using my old HP DeskJet 520 printer. Printing 2X artwork and getting it reduced onto litho film, and then using positive-resist coated boards works well, but is expensive. I've tried printing onto OHP material and draughting film, but the former isn't dense enough, and the latter is too opaque and takes forever to dry. Photocopying onto OHP material works, but I don't have a copier at home.

A long time ago, there was a posting to the sci.electronics newsgroup about a method using a full-size printout onto ordinary paper, and making the paper translucent using oil. I've just made my first PCB successfully (after a lot of trial and error) using this technique, and some notes might be of interest.

I printed out the solder-side artwork for a simple PCB (my version of the R2 DC Rx, tracks on the underside and a continuous ground-plane on the top) 1:1 on ordinary paper (right-way up) in the DeskJet. I then cut a piece of double-sided PCB material to size, and coated it with positive resist from a spray-can. Whilst the board was drying in the oven on the lowest setting (I don't have an XYL so I can do this sort of thing), I put a very small amount of cooking oil on a cotton wool ball and rubbed the oil into the underside of the printout, after trimming it. The paper should be uniformly translucent, like tracing paper. If it isn't, just rub any opaque areas some more with the oily cotton wool. I then took the dry resist-coated board from the oven, put the artwork against it (print side down) and exposed it in my UV exposure unit. I gave it a bit more exposure than for a transparent master. The resist was developed in the usual way, the ground-plane masked with tape, and the board etched. The tracks and pads were a bit fuzzy, but OK electrically.

I think the process should be repeatable, now I've got the technique sorted out. The UV exposure time is fairly critical - it is a compromise between getting enough UV through the translucent paper to cure the polymer, whilst not letting too much get through the tracks and pads, which aren't as dense as with the photographic technique. It's best to use fairly wide tracks (I used .020") and large pads. I don't think I'll be able to get tracks between IC pads (the Rx PCB hasn't any of

these, anyway).

If anyone is interested in making their own PCB for the DC Rx, I'll be adding the 1:1 artwork file (for a DeskJet or LaserJet II) to the web page:

        http://www.lfheller.demon.co.uk/dc_rx.htp

It should be accessible in a couple of days.

73, Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850 DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 06 May 1998 13:32:24
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [10337] Bench antenna simulator
Message-ID: <3.0.3.16.19980506133224.265f8728@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy Gang,

I was wondering if anyone has any ideas on how to make an antenna simulator for testing transmittors? I know your thinking, whats wrong with a 50 ohm dummy load? Well, That's fine, but what happens when the load isn't pure resistive? Would like to see what happens when the load gets inductive or capacitve or a combination of both.

I'm thinking a roller inductor and tuning cap is series might do it.

What got me thinking about this is the reported problem with one of the Ten-Tec rigs that works fine on a dummy load, but goes crazy with a real life antenna.

ideas?

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 6 May 1998 14:40:48 -0400
From: "Fishman, Clark" <cfishman@pica.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [10338] A Little Mixer Talk
Message-ID: <61184F6C1EF9D0119A6300609798EA460101817E@pica-emh9.pica.army.mil>
MIME-Version: 1.0
Content-Type: text/plain

I guess it's time for my 2 cents worth. I have worked for a leading manufacturer of mixer and have been exposed to there care and feeding.

1. Double balanced diode mixers.

There are many falvors of these depending on the need and your bank account. The difference in their performance is mosly a function of the diodes used and the local oscillator drive power necessary to have them function correctly. The most common variety uses +7 dbm (that is 5 milliwatts) of local oscillator (LO) drive. The Miniciruits SBL-1 is such a mixer.
The next LO drive level is usually +17 dbm (50 Milliwatts) or +10 dbm (10 milliwatts).....these guys cost about 3 or 4 times the +7 units.....Next comes the +23 to +27 dbm (200 to 500 milliwatt....yes that's a 1/2 watt) of local oscillator drive. These guys cost in the ball park from about 50 to 100 bucks each in small quantities.

The difference in these mixers is their ability to handle signals without generating spurious responses. A company called Watkins Johnson makes many mixers and if you contact them they can provide excellent articles on mixer selection,

For average ham use say in a QRP rig's receiver, the SBL-1 mixer will provide very good performance.....If you spend about 10 or12 bucks more the SBL-1H using a +17 dbm (50 milliwatt) local oscillator drive mixer really work fine.

Time for a reality check....these mixers must be used properly for you to get the stated performance.....that is...all 3 ports (RF, LO, and IF) of the mixer want to see 50 ohm terminations.....The IF port especially is the most important. The LO port is easy....if you have some extra drive available padded it with a resistive pad and then into the LO port. The RF port can be driven by a diplrxer which passes the frequencies you want and terminates all others in 50 ohms. The IF port can be terminated in a 50 ohm input impedance amplifier or a diplexer

like the RF port.....I prefer a diplexer most of the time because it terminates the IF port in 50 ohms at all frequencies and dumpss the image freqs into the 50 ohm load.

I realize that many QRP rigs are offen powered from batteries and that receiver drain is a concern.....but if conditions are tough its nice to have a good mixer in the receiver front end.

Enough for now...any questions????

Just ask

Clark Fishman WA2UNN cfishman@pica.army.mil

Date: Wed, 6 May 1998 12:36:52 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: qrp-l@Lehigh.EDU
Subject: [10339] Re: New Webpage
Message-ID: <Pine.SOL.3.91.980506123457.14135D-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Chuck Adams wrote:
> Knowing both Bill and Paul and since Paul brought it up. Which one
> of you caused you both to get thrown out of that Italian restaurant
> across from Pacificon last year? :-) Inquiring minds wanna know.....

OK ... that probably came out a little misleading. *ALL* the QRPers were virtually thrown out last year, just because we ate, drank, were merry, and yacked about QRPing until closing time. I'd like to confess to a much juicier story, but not without confering with Bill first -hi.

72, Paul NA5N

Date: Wed, 6 May 1998 20:43:13 +0200
From: "Wolfgang Peringer" <W.Peringer@bingo.baynet.de>
To: <tentec@contesting.com>
Cc: <QRP-L@Lehigh.EDU>

Subject: [10340] Argosy II switch for meter light
Message-ID: <199805061843.UAA01296@hera.bingo.baynet.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Greetings from Germany:
Just made a small modification for my Argosy II.
The receiver draws 460mA with the display switched off. Without the lamp it draws only 350mA. The display switch is a DPST switch. Only one set of the contacts is used to switch the display. So I used the other set of contacts to switch the 12 Volt line for the lamp. It is easier to do than to describe. The current consumption of only 350mA during receive makes the Argosy a real battery saver for portable operation compared to the competitors.
vy 73
WolfgangW.Peringer@bingo.baynet.de
DK7CY
G-QRP#8354; QRP-L#1200

Date: Wed, 6 May 1998 12:44:52 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: k8cv@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10341] Re: new Dayton 38S +
Message-ID: <Pine.SOL.3.91.980506123756.14135E-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998 k8cv@juno.com wrote:
> Does anyone know the price of the NEW 38S to be announced at Dayton? Has
> anyone sent it to Chuck for testing yet?
>
> Walt K8CV

The "new" 38-Special is called the 44-Magnum and will be kitted by H-B Electronics. The prototyping is done, and PCB layout/design, getting quotes for enclosures and other options is ongoing now. It was never intended to be announced at Dayton, but it will be announced a bit later for those of you wanting that "summer project." Price is not yet fixed, but with the full 5W output, TiCK keyer, etc., it will not be anymore than $50.

NorCal, on the otherhand will be announcing their new project at Dayton, which is a really neat [HTML][FONT-3] %%###DX *///[ASCII OMITTED] /// [HTML] <END>.

And of course Dave NN1G with his new SW+ series. Maybe some others I'm not privy to (not omitting anyone by design).

72, Paul NA5N

Date: Wed, 06 May 1998 15:07:33 -0400
From: Fred Lesnick <flesnick@Quetico.tbaytel.net>
To: njqrp@njqrp.org, qrp-l@Lehigh.EDU
Subject: [10342] 15m-30m open
Message-ID: <3550B4F5.2CD2@tbaytel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Heard europe on 21 mhz cw,heard both sides of Ca. wrking Tx. on 18 mhz.Things are looking up.
73 Fred VE3FAL

Date: Wed, 6 May 1998 15:30:04 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@lehigh.edu>
Cc: gqrp <gqrp-l@blacksheep.org>
Subject: [10343] Elmer 101 and true ham spirit.
Message-ID: <199805061530_MC2-3C26-E2D3@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Guys,

Well, for those of you who were not sleeping and worrying about where my SW40 kit was, it' s just arrived courtesy of the UK postal service. They wanted about an extra $10 in customs, value-added-tax, and handling, but since the mail man brought it in a big bundle of other stuff, and didn't notice there was a postage due charge on it, maybe I've gotten away with=

it!

The real reason I'm posting to the list is to let you all know that the
true ham spirit does definitely still exist, and the safe arrival of my k=
it
is a perfect example of this. If you can imagine giving your local Chrysl=
er
dealer the price of a Ford in UK currency, and he then e-mails a friend w=
ho
has a VW dealership stateside, who in turn sends the Ford dealer the mone=
y
in US currency, you've just about got the roundabout way things can be do=
ne
in the qrp world.

Suffice to say, I will be looking at products from Sheldon Hands, Bill
Kelsey and Dave Benson for my future needs, for these three "RIVALS" in
business combined to make sure my kit arrived here OK!

Gentlemen all three, prepared to go the extra mile without thought of
profit, and deserving of our support as ham consumers where possible. =

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <http://users.aol.com/bccscot/page1.html>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Date: Wed, 6 May 1998 14:23:49 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [10344] Re: Elmer 101: Mixer discussion questionS...
Message-ID: <010d01bd7924$94300340$a30a5e2c@groucho>

Not that this is going to be a very informative response, but I will provide
some information that might help Pierre and his questions.

First and foremost, you must know what your mixer application is going to be.

It is impossible to answer which is best without this information. As in all electronic circuits there are compromises to make. Take your front-end question:

>If I want to build a heterodyne receiver and I want the best front end
>mixer which mixer should I choose?

This depends on the frequency in question. If this is for HF a low noise figure is not required as the HF noise floor is quite high. If this is UHF Moon-Bounce the lower the noise figure the better!

All mixers and amplifiers add to the noise. How much you can tolerate without a significant effect on front-end performance is really the question.

Singly balanced and doubly balanced or double-doubly balanced again is a function of the application. All mixers supply all the mixing components at there output. Some mixers such as doubly balanced ones suppress some of them by many db's do to cancellation, but they are still there.

And one thing I know about mixers for sure, they will mix all the signals that get into them. It is far more important to control the inputs to the mixer and properly terminate the output then anything else.

Well that's all I have time for, I will leave the rest of your questions to more qualified.

---
73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page http://www.qsl.net/mnqrp

Date: Wed, 6 May 1998 21:05:10 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [10345] QRP-L in Moderation Period
Message-ID: <199805062005.VAA09034@chuck.dallas.sgi.com>

Gang,

As those of you that have been with the group for some time have noticed, a rash of unwanted and unnecessary postings have suddenly appeared. Well, hard times require difficult measures and after five years this is a first.

1. Postings will be delayed.
2. Postings will be moderated by a third party other than myself (K5FO). So if you bring something up and it doesn't show up, then it was moderated.
3. Postings during times when the moderator is sleeping will be delayed until the next day.
4. Moderator will be in place until such time as civility returns to the group at large.
5. At the time when moderation is turned off, the zero tolerance rule, i.e. any failure to follow intelligent and civilized behaviour will result in pulling the plug on the offending individual, will be in effect by the third party.

I have over the five year period left the group at large to run in a smooth fashion as possible without requiring intervention on my part except for the cases where individuals attacked the group at large or one or more individuals. All of the administrators past and present for the host system for the mail reflector have done great jobs and have dedicated a great deal of their time to the smooth running on QRP-L. I have no idea just how many thousands of hours I have spent in email behind the scenes trying to keep information flowing in a smooth manner. 99+% of the time it has all been non-political and time well spent. Wouldn't change it for the world except for the few times when problems have come up, but with over 2500 individuals there has got to be some 'schoolyard fights' break out. :-)

We have gone a long time without a set of rules and every attempt will be made to continue in the same way. Let's hope this brief irritation will not continue for long.

So, bear with us as we make some corrections and get the ship back on course.

FYI

p.s. So now is the time to take the unbuilt kits out of the closet and/or get on the air, which is what we should all be doing anyway....

Thanks for your support at this time. No reply necessary.

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Wed, 6 May 1998 16:08:58 -0400 (EDT)
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
To: qrp-l@Lehigh.EDU
Subject: [10346] Re: SUMMER FOXHUNT V1.0
Message-ID: <98May6.160914-0400_edt.10389-17664+41@hooch.cc.Lehigh.EDU>
Content-Type: text

> Purpose of said foxhunt to get the movement to 10 meters started with
> the rise in Solar Flux and get the rigs out of the closet that have
> been there over 6 years now. :-)
[...]

  My closet is bare :-) Survey of low-cost (the lower the better :-)
10M CW QRP kits wanted.

73
Jim N3VXI

Date: Wed, 6 May 1998 12:53:18 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [10347] NorCal Log Books
Message-ID: <01bd7928$9dd9eec0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Several people have encouraged me over the years to do a NorCal log book. I have finally done it. NorCal now has available a 50 page logbook that will hold 1200 QSOs. It is the same size as QRPp, and is bound with a wire binder, the same one that Paul Harden used for his book. The advantage is that you can fold the book open and it will fold back on itself, plus the smaller size is much handier for portable and field operation, yet big enough to be handy for home use. Dave Fifield, AD6AY, suggested the size and the format of running the lines the long way.

The pages are blank on the back, so that when you open the book, you can use

the top page for scratch paper. The log is oriented so that it is parallel with the 8 1/2" side. To get an idea, take a piece of 8 1/2 by 11 typing paper, fold it in the middle, and then open it up. The top half would be blank, the bottom half has the log on it. There are columns for the following information:
Date, UTC, Freq., Station, RST s/r, Mode, Power, QSL S/R, and Remarks

The front and back cover are grey, 110# cover stock, and the front cover says:

NorCal QRP Club
(NorCal Logo)
Amateur Radio Log

The price of the log is $5 plus $1 shipping and handling for US Stations, $2 for DX.

To order send Check or Money order made out to Doug Hendricks, Not NorCal.

Doug Hendricks
862 Frank Ave.
Dos Palos, CA 93620

72, Doug, KI6DS

Date: Wed, 6 May 1998 16:03:20 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Paul Harden <pharden@aoc.nrao.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10348] Re: new Dayton 38S +
Message-ID: <Pine.GSO.3.96.980506160137.19197A-100000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A project would be fun. I missed the last one due to not being on soon enough to the list. I am going to let me 10 yr old son help too. He is starting his Novice class tonight.

73/72
Richard

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Wed, 6 May 1998 14:23:23 -0600
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-l@lehigh.edu
Subject: [10349] St Louis Tuner price?
Message-ID: <199805062023.OAA08767@mailrelay.sni.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone recall the kit price?

72, Bob KI0G

Date: Wed, 06 May 1998 14:19:46 -0600
From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'pharden@aoc.nrao.edu'" <pharden@aoc.nrao.edu>
Cc: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [10350] RE: New Webpage
Message-ID: <ABB04875E11AD01191A40000F83092BE8325B5@STONE>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7BIT

....Uuuhuh.....good reply Paul...stick with it... ;-)   72 - Bruce(VE5RC)

> -----Original Message-----
> From: Paul Harden [SMTP:pharden@aoc.nrao.edu]
> Sent: Wednesday, May 06, 1998 12:37 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: New Webpage
>
> On Wed, 6 May 1998, Chuck Adams wrote:
> > Knowing both Bill and Paul and since Paul brought it up. Which one
> > of you caused you both to get thrown out of that Italian

restaurant
> across from Pacificon last year? :-) Inquiring minds wanna know.....

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virtually thrown out last year, just because we ate, drank, were merry,
and yacked about QRPing until closing time. I'd like to confess to a much
juicier story, but not without confering with Bill first -hi.

72, Paul NA5N

Date: Wed, 6 May 1998 16:19:25 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [10351] Help on Resistor values
Message-ID: <199805061619_MC2-3C24-7C7A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi guys n Gals,

On this side of pond, we use R symbol for resistance values as surmised e.g.

0.5 ohm as 0R5
1 ohm is written as 1R
15 Ohms is written as 15R
1.5 Kilohms as 1K5
1.5 Megohms as 1M5

and so on.

In Capacitance the 3n0 would stand for 3 nanofarad
330p or 330pf for picofarad

and so on.

These are NOT yet universal, and it tends to depend on the computer that the publication concerned uses, and what it is capable of reproducing.

We also use colo(u)r coding as per standard, but this is now changing to
using the first and last letters of the colour for shorthand, eg Red is r=
d,
brown is bn green becomes gn, violet is vt and so on.

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <http://users.aol.com/bccscot/page1.html>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Date: Wed, 6 May 1998 16:18:28 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [10352] Re: Bench antenna simulator
Message-ID: <Pine.LNX.3.93.980506161606.1566A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 6 May 1998, Steven Weber wrote:

> I'm thinking a roller inductor and tuning cap is series might do it.

Just a guess, but wouldn't a tuner with a dummy load on the antenna port
"mess it up" enough to simulate a real antenna?

-- Chris Cartwright,   Technical Engineer | ccart@vidtel.com   --
-- N3XRV   ARRL-VE   QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

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Date: Wed, 06 May 1998 20:33:08 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [10353] Summer Fox Hunt!

Message-ID: <3550C904.82F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wa Hoo! 10 meters here I come. This is great Chuck.

Folks, let's have some fun, even if it is via GroundWave!

I'll be using the Short Transmitting loop on 10 meters
so we'll see ya there! Whenever! 24 hours a day,eh?

CQ QRPL -- I like the sound of that.

72 Gang!
-Ed

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

End of QRP-L Digest 1083
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